

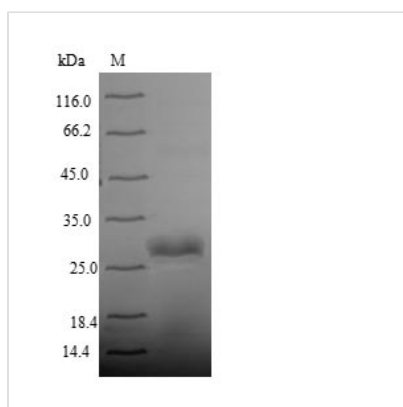


# Recombinant Human Integrin alpha-IIb(ITGA2B),partial

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-YP011865HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Relevance</b>           | Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface. |
| <b>Storage</b>             | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                    |
| <b>Uniprot No.</b>         | P08514                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b>      | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Alias</b>               | GPalpha IIb ; GPIIbPlatelet membrane glycoprotein IIb; CD41                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Type</b>        | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>              | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sequence</b>            | CVPQLQLTASVTGSPLLVGADNVLELQMDAANE GEGAYEAELAVHLPQGAHY<br>MRALSNVEGFERLICNQKKENETRVVLCELGNPMKKNAQIGIAMLVSVGNLEE<br>AGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVVAAEE<br>GEREQNSLDSWGPKEHTYELHNNPGTVNGLHLSIHLPGQSQPSDLLYILDI<br>QPQGGGLQCFPPQPPVNPLKVDWGLPIPSPIHPAHHKR                                                                                                                                                                                                                                           |
| <b>Research Area</b>       | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>              | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Names</b>          | ITGA2B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>       | Recommended name: Integrin alpha-IIb Alternative name(s): GPalpha IIb Short name= GPIIb Platelet membrane glycoprotein IIb CD_antigen= CD41 Cleaved into the following 3 chains: 1. Integrin alpha-IIb heavy chain 2. Integri                                                                                                                                                                                                                                                                                      |
| <b>Expression Region</b>   | 639-887aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Tag Info</b>            | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Mol. Weight</b>         | 29.0kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Description</b> | Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.