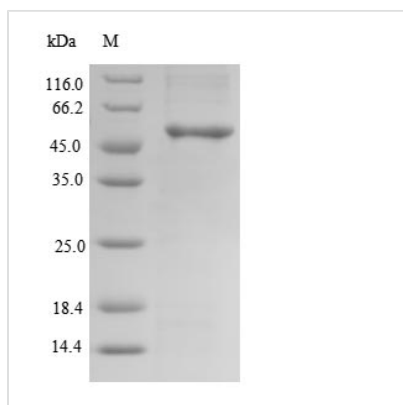




# Recombinant Human Clavesin-2(CLVS2)

|                            |                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-EP713118HU                                                                                                                                                                                                                                                                                                                                                  |
| <b>Relevance</b>           | Required for normal morphology of late endosomes and/or lysosomes in neurons . Binds phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2).1 Publication                                                                                                                                                                                                        |
| <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>         | Q5SYC1                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>      | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                                  |
| <b>Alias</b>               | Retinaldehyde-binding protein 1-like 2                                                                                                                                                                                                                                                                                                                          |
| <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>            | MTHLQAGLSPETLEKARLELNENPDTLHQDIQEVDRDMVITRPDIGFLRTDDAFIL<br>RFLRARKFHHFEAFRLLAQYFEYRQQNLDMFKSFKATDPGIKQALKDGFPGGL<br>ANLDHYGRKILVLFANWDQSRYYTLVDILRAILLSEAMIEDPELQVNGFVLIIDW<br>SNFTFKQASKLTPSMLRLAIEGLQDSFPARFGGIHFVNQPWYIHALYTVIRPFLK<br>EKTRKRIFLHGNNLNSLHQLIHPEILPSEFGGMLPPYDMGTWARTLLDHEYDD<br>DSEYNVDSYSMPVKEVEKELSPKSMKRSQSVVDPTVLKRMDKNEEENMQPLL<br>SLD |
| <b>Research Area</b>       | Signal Transduction                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Names</b>          | CLVS2                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression Region</b>   | 1-327aa                                                                                                                                                                                                                                                                                                                                                         |
| <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-SUMO-tagged                                                                                                                                                                                                                                                                                                                                    |
| <b>Mol. Weight</b>         | 54.0kDa                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Description</b> | Full Length                                                                                                                                                                                                                                                                                                                                                     |
| <b>Image</b>               |                                                                                                                                                                                                                                                                                                                                                                 |



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