



# Recombinant Human Atrial natriuretic peptide receptor 1(NPR1),partial

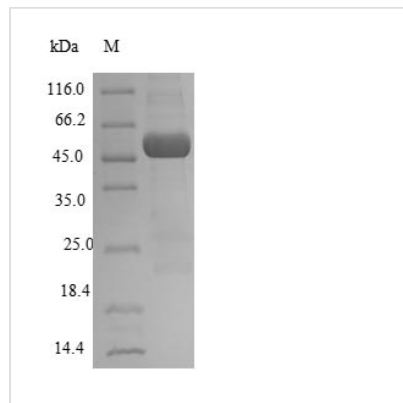
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Code</b>      | CSB-YP016023HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Relevance</b>         | Receptor for the atrial natriuretic peptide NPPA/ANP and the brain natriuretic peptide NPPB/BNP which are potent vasoactive hormones playing a key role in cardiovascular homeostasis. Has guanylate cyclase activity upon binding of the ligand.                                                                                                                                                                                                                                        |
| <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>       | P16066                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>    | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Alias</b>             | Atrial natriuretic peptide receptor type A ;ANP-A ;ANPR-A ;NPR-AGuanylate cyclase A ;GC-A                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>          | GNLTVAVVLPLANTSYPSWSWARVGPVELALAQVKARPDLLPGWTVRTVLGS<br>SENALGVCSDTAAPLAAVDLKWEHNPAVFLGPGCVYAAPVGRFTHWVRVPL<br>LTAGAPALGFGVKDEYALTTRAGPSYAKLGDFVAALHRRLGWERQALMLYAY<br>RPGDEEHCFLLVEGLFMRVRDRLNITVDHLEFAEDDLSHYTRLLRTMPRKGRV<br>IYICSSPDAFRTLMLLALEAGLCGEDYVFFHLDIFGQSLQGGQGPAPRRPWER<br>GDGQDVSARQAFQAAKIITYKDPDNPEYLEFLKQLKHLAYEQFNFTMEDGLVN<br>TIPASFHDGLLLYIQAVTETLAHGGTVTDGENITQRMWNRSFQGVGTGYLKIDSS<br>GDRETDGSLWMDPENGAFRVVLNNGTSSQELVAVSGRKLNWPLGYPPPDIP<br>KCGFDNEDPACNQDHLSTLE |
| <b>Lead Time</b>         | 3-7 business days                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Research Area</b>     | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Names</b>        | NPR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Names</b>     | Recommended name: Atrial natriuretic peptide receptor 1 EC= 4.6.1.2<br>Alternative name(s): Atrial natriuretic peptide receptor type A Short name= ANP-A Short name= ANPR-A Short name= NPR-A Guanylate cyclase A Shor                                                                                                                                                                                                                                                                   |
| <b>Expression Region</b> | 33-473aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |


**Mol. Weight**

50.9kDa

**Protein Description**

Extracellular Domain

**Image**


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