



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

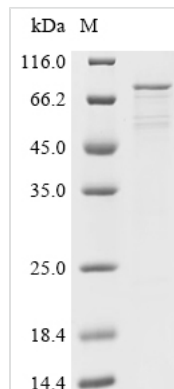
Product Code	CSB-YP016023HU
Relevance	Receptor for the atrial natriuretic peptide NPPA/ANP and the brain natriuretic peptide NPPB/BNP which are potent vasoactive hormones playing a key role in cardiovascular homeostasis. Has guanylate cyclase activity upon binding of the ligand.
Abbreviation	Recombinant Human NPR1 protein, partial
Storage	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.
Uniprot No.	P16066
Alias	Atrial natriuretic peptide receptor type A ;ANP-A ;ANPR-A ;NPR-AGuanylate cyclase A ;GC-A
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GNLTVAVVLPLANTSYPSWSWARVGPVELALAQVKARPDLLPGWTVRTVLGS SENALGVCSDTAAPLAAVDLKWEHNPAVFLGPGCVYAAPVGRFTAHWRVPL LTAGAPALGFGVKDEYALTTRAGPSYAKLGDFVAALHRRLLGWERQALMLYAY RPGDEEHCFLLVEGLFMRVRDRLNITVDHLEFAEDDLSHYTRLLRTMPRKGRV IYICSSPDAFRTLMLLALEAGLCGEDYVFFHLDIFGQSLQGGQGPAPRRPWER GDGQDVSARQAFQAAKIITYKDPDNPEYLEFLKQLKHLAYEQFNFTMEDGLVN TIPASFHDGLLLYIQA VTETLAHGGTVTDGENITQRMWNRSFQGVGTGYLKIDSS GDRETD FSLWMDPENGAFRVVLNYNGTSQELVAVSGRKLNWPLGYPPPDIP KCGFDNEDPACNQDHLSTLE
Research Area	Cardiovascular
Source	Yeast
Target Names	NPR1
Protein Names	Recommended name: Atrial natriuretic peptide receptor 1 EC= 4.6.1.2Alternative name(s): Atrial natriuretic peptide receptor type A Short name= ANP-A Short name= ANPR-A Short name= NPR-A Guanylate cyclase A Short name=
Expression Region	33-473aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 50.4kDa

Protein Length Partial

Image



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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