



Recombinant Rat Atrial natriuretic peptide receptor 3 (Npr3), partial

Product Code	CSB-EP016025RA1
Relevance	Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP. May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects. May regulate diuresis, blood pressure and skeletal development. Does not have guanylate cyclase activity .
Abbreviation	Recombinant Rat Npr3 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.	P41740
Alias	Atrial natriuretic peptide clearance receptorAtrial natriuretic peptide receptor type C ;ANP-C ;ANPR-C ;NPR-C
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	EALAAQKIEVLVLLPRDDSYLFLSLARVRPAIEYALRSVEGNGTGRKLLPPGTRF QVAYEDSDCGNRALFSLVDRVAAARGAKPDLILGPVCEYAAAPVARLASHWD LPMLSAGALAAGFQHKDTEYSHLTRVAPAYAKMGEMMLALFRHHHWSRAALL YSDDKLERNCYFTLEGVHEVFQEEGLHTSAYNFDETKDLDDLDDIVRYIQGSER VVIMCASGDTIRRIMLAVHRHGMTSGDYAFFNIELFNSSSYGDGSWKRGDKHD FEAKQAYSSLQTVTLRTAKPEFEKFSMEVKSSVEKQGLNEEDYVNMFVEGF HDAILLYVLALHEVLRAGYSKKDGGKIIQQTWNRTFEGIAGQVSIANGDRYGD FSVVAMTDTEAGTQEVIGDYFGKEGRFKMRSNVKYPWGSLKLRIDETRIVEHT NSSPCKSCGLEESA
Research Area	Others
Source	E.coli
Target Names	Npr3
Protein Names	Recommended name: Atrial natriuretic peptide receptor 3Alternative name(s): Atrial natriuretic peptide clearance receptor Atrial natriuretic peptide receptor type C Short name= ANP-C Short name= ANPR-C Short name= NPR-C
Expression Region	41-477aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

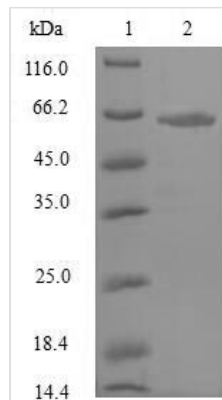


Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 64.9kDa

Protein Length Extracellular Domain

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 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.