



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 .
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
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Atrial natriuretic peptide clearance receptorAtrial natriuretic peptide receptor type C ;ANP-C ;ANPR-C ;NPR-C
Product Type	Recombinant Protein
Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EALAAQKIEVLVLLPRDDSYLFLSLARVVRPAIEYALRSVEGNGTGRKLLPPGTRF QVAYEDSDCGNRALFSLVDRVAAARGAKPDLILGPVCEYAAAPVARLASHWD LPMLSAGALAAGFQHKDTEYSHLTRVAPAYAKMGEMMLALFRHHHWSRAALL YSDDKLERNCYFTLEGVHEVFQEEGLHTSAYNFDETKDLDDIVRYIQGSER VVIMCASGDTIRRIMLAVHRHGMTSGDYAFFNIELFNSSSYGDGSWKRGDKHD FEAKQAYSSLQTVTLRLTAKPEFEKFSMEVKSSVEKQGLNEEDYVNMFVEGF HDAILLYVLALHEVLRAGYSKKDGGKIIQQTWNRTFEGIAGQV SIDANGDRYGD FSVVAMTDTEAGTQEVIGDYFGKEGRFKMRSNVKYPWGLKLRIDETRIVEHT NSSPCKSCGLEESA
Research Area	Others
Source	E.coli
Gene 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**

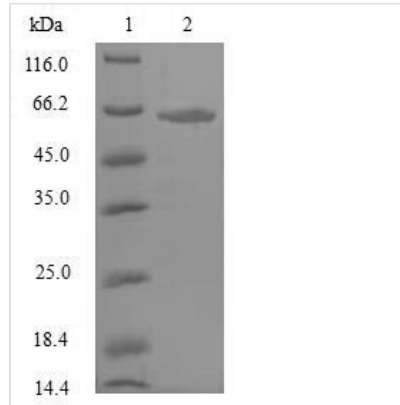
N-terminal 6xHis-SUMO-tagged

Mol. Weight

64.9kDa

Protein Description

Extracellular Domain

Image

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