

Atrial natriuretic peptide receptor 2 (Npr2) Recombinant Protein | Npr2 recombinant protein

Recombinant Mouse Atrial natriuretic peptide receptor 2 (Npr2), partial

CATALOG # AAA117440	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Atrial natriuretic peptide receptor 2 (Npr2); Recombinant Mouse Atrial natriuretic peptide receptor 2 (Npr2); partial; Npr2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	17-458aa; Full Length of Mature Protein
Sequence	VRPPGARNLT LAVVLPEHNL SYAWAWPRVG PAVALAVEAL GRALPVDLRF VSSELDGACS EYLAPLRAVD LKLYHDPDLL LGPGCVYPAA SVARFASHWR LPLLTAGAVA SGFAAKNEHY RTLVRTGPSA PKLGEFVVTI HGHNWTARA ALLYLDARTD DRPHYFTIEG VFEALQGSNL SVQHQQVYARE PGGPEQATHF IRANGRIVYI CGPLEMLHEI LLQAQRENLT NGDYVFFYLD VFGESLRAGP TRATGRPQQD NRTQEQAL REAFQTVLVI TYREPPNPEY QEFQNRLLIR AREDFGVELA PSLMNLIAGC FYDGILLYAQ VLNETIQEGG TREDGLRIVE KMQGRRYHGV TGLVMDKNN DRETDFVLWA MGDLDGDFQ PAAHYSGAEK QIWWTGRPIP WVKGAPPLDN PPCAFDLDDP SCDKTPPLSTL AI
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Npr2 recombinant protein	This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, a helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28916675
NCBI GeneID	230103
NCBI Accession #	NP_776149.1
NCBI GenBank Nucleotide #	NM_173788.4
UniProt Accession #	Q6VWW5 ; Q6VWW3 ; Q6VWW4 ; Q8CGA9 ; B1AWI8
Molecular Weight	46,443 Da
NCBI Official Full Name	atrial natriuretic peptide receptor 2 isoform 1
NCBI Official Synonym Full Names	natriuretic peptide receptor 2

NCBI Official Symbol	Npr2
NCBI Official Synonym Symbols	cn; pwe; GC-B; GC-B2; GC-B3; mNPR-B
NCBI Protein Information	atrial natriuretic peptide receptor 2
UniProt Protein Name	Atrial natriuretic peptide receptor 2
UniProt Gene Name	Npr2
UniProt Synonym Gene Names	ANP-B; ANPR-B; NPR-B; GC-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/npr2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117440>