

Atrial natriuretic peptide receptor 2 (NPR2) Recombinant Protein | NPR2 recombinant protein

Recombinant Human Atrial natriuretic peptide receptor 2 (NPR2), partial

CATALOG # AAA18524	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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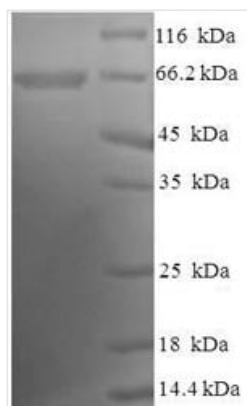
PRODUCT SYNONYMS

Atrial natriuretic peptide receptor 2 (NPR2); Recombinant Human Atrial natriuretic peptide receptor 2 (NPR2); partial; Atrial natriuretic peptide receptor type B; ANP-B; ANPR-B; NPR-B; Guanylate cyclase B; GC-B; 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	23-458aa; Partial
Sequence	RNLTLAVVLP EHNLSYAWAW PRVGPAVALA VEALGRALPV DLRFVSSELE GACSEYLAPL SAVDLKLYHD PDLLLGPGCV YPAASVARFA SHWRLPLLTA GAVASGFSAK NDHYRTLVRT GPSAPKLGEF VVTLHGHNW TARAALLYLD ARTDDRPHYF TIEGVFEALQ GSNLSVQHQQV YAREPGGPEQ ATHFIRANGR IVYICGPLEM LHEILLQAQR ENLTNGDYVF FYLDVFGESL RAGPTRATGR PWQDNRTREQ AQALREAFQT VLVITYREPP NPEYQEFQNR LLIRAREDFG VELGPSLMNL IAGCFYDIL LYAEVLNETI QEGGTREDGL RIVEKMQGRR YHGVTGLVVM DKNNDRETDF VLWAMGDLDS GDFQPAAHYS GAEKQIWWTG RPIPWVKGAP PSDNPPCAFD LDDPSCDKTP LSTLAI
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NPR2 recombinant protein	Receptor for the C-type natriuretic peptide NPPC/CNP hormone. Has guanylate cyclase activity upon binding of its ligand. May play a role in the regulation of skeletal growth.
Product Categories/Family for NPR2 recombinant protein	Cardiovascular

References

Differential activation by atrial and brain natriuretic peptides of two different receptor guanylate cyclases.Chang M.S., Lowe D.G., Lewis M., Hellmiss R., Chen E., Goeddel D.V.Nature 341:68-72(1989) Structure of the type B human natriuretic peptide receptor gene and association of a novel microsatellite polymorphism with essential hypertension.Rehemudula D., Nakayama T., Soma M., Takahashi Y., Uwabo J., Sato M., Izumi Y., Kanmatsuse K., Ozawa Y.Circ. Res. 84:605-610(1999) cGMP-dependent and -independent inhibition of a K+ conductance by natriuretic peptides molecular and functional studies in human proximal tubule cells.Hirsch J.R., Meyer M., Maegert H.-J., Forssmann W.-G., Mollerup S., Herter P., Weber G., Cermak R., Ankorina-Stark I., Schlatter E., Kruhoffer M.J. Am. Soc. Nephrol. 10:472-480(1999) DNA sequence and analysis of human chromosome 9.Humphray S.J., Oliver K., Hunt A.R., Plumb R.W., Loveland J.E., Howe K.L., Andrews T.D., Searle S., Hunt S.E., Scott C.E., Jones M.C., Ainscough R., Almeida J.P., Ambrose K.D., Ashwell R.I.S., Babbage A.K., Babbage S., Bagguley C.L., Bailey J., Banerjee R., Barker D.J., Barlow K.F., Bates K., Beasley H., Beasley O., Bird C.P., Bray-Allen S., Brown A.J., Brown J.Y., Burford D., Burrill W., Burton J., Carder C., Carter N.P., Chapman J.C., Chen Y., Clarke G., Clark S.Y., Clee C.M., Clegg S., Collier R.E., Corby N., Crosier M., Cummings A.T., Davies J., Dhami P., Dunn M., Dutta I., Dyer L.W., Earthrowl M.E., Faulkner L., Fleming C.J., Frankish A., Frankland J.A., French L., Fricker D.G., Garner P., Garnett J., Ghorl J., Gilbert J.G.R., Glison C., Grafham D.V., Gribble S., Griffiths C., Griffiths-Jones S., Grocock R., Guy J., Hall R.E., Hammond S., Harley J.L., Harrison E.S.I., Hart E.A., Heath P.D., Henderson C.D., Hopkins B.L., Howard P.J., Howden P.J., Huckle E., Johnson C., Johnson D., Joy A.A., Kay M., Keenan S., Kershaw J.K., Kimberley A.M., King A., Knights A., Laird G.K., Langford C., Lawlor S., Leongamornlert D.A., Leversha M., Lloyd C., Lloyd D.M., Lovell J., Martin S., Mashreghi-Mohammadi M., Matthews L., McLaren S., McLay K.E., McMurray A., Milne S., Nickerson T., Nisbett J., Nordsiek G., Pearce A.V., Peck A.I., Porter K.M., Pandian R., Pelan S., Phillimore B., Povey S., Ramsey Y., Rand V., Scharfe M., Sehra H.K., Shownkeen R., Sims S.K., Skuce C.D., Smith M., Steward C.A., Swarbreck D., Sycamore N., Tester J., Thorpe A., Tracey A., Tromans A., Thomas D.W., Wall M., Wallis J.M., West A.P., Whitehead S.L., Willey D.L., Williams S.A., Wilming L., Wray P.W., Young L., Ashurst J.L., Coulson A., Blocker H., Durbin R.M., Sulston J.E., Hubbard T., Jackson M.J., Bentley D.R., Beck S., Rogers J., Dunham I.Nature 429:369-374(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4580422
NCBI GeneID	4882
NCBI Accession #	NP_003986.2
NCBI GenBank Nucleotide #	NM_003995.3
UniProt Accession #	P20594; O60871; Q4VAK7; Q5TCV2; Q8TA93; Q9UQ50; B0ZBF2; B0ZBF3; D3DRP3; D3DRP4
Molecular Weight	64.5 kDa
NCBI Official Full Name	atrial natriuretic peptide receptor 2
NCBI Official Synonym Full Names	natriuretic peptide receptor 2
NCBI Official Symbol	NPR2
NCBI Official Synonym Symbols	AMDM; ANPb; ECDM; NPRB; SNSK; ANPRB; GUC2B; NPRBi; GUCY2B
NCBI Protein Information	atrial natriuretic peptide receptor 2
UniProt Protein Name	Atrial natriuretic peptide receptor 2
UniProt Gene Name	NPR2
UniProt Synonym Gene Names	ANPRB; ANP-B; ANPR-B; NPR-B; GC-B
UniProt Entry Name	ANPRB_HUMAN

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.