

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

Catalog No: #AP70596

Package Size: #AP70596-1 20ug #AP70596-2 100ug #AP70596-3 1mg

Description

Product Name	Recombinant Human Atrial natriuretic peptide receptor 2(NPR2),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-458aaSequence Info:Extracellular Domain
Other Names	Atrial natriuretic peptide receptor type B ;ANP-B ;ANPR-B ;NPR-BGuanylate cyclase B ;GC-B
Accession No.	P20594
Calculated MW	64.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	RNLT LAVVLPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSELEGACSEYLAPLSAVDLKLYHDPDL LLGPGCVYPAASVARFASHWRLPLLTAGAVASGFSKNDHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAA LLYLDARTDDRPHYFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQ RENLTNGDYVFFYLDVFGESLRAGPTRATGRP WQDNRTREQAALREAFQTVLVITYREPPNPEYQEFQNR LIRAREDFGVELGPSLMNLIAGCFYDGILLYAEVLNETIQEGGTREDGLRIVEKMQGRRYHGVTVGLVMDKNN DRETDFVLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPVWKGAPPSDNPPCAFDLDDPSCDKTPLSTLAI
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

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., Ghori 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) Research Topic: Cardiovascular

Note: This product is for in vitro research use only and is not intended for use in humans or animals.