

Proteoliposomes

Full-Length

NPR2 (Human) Recombinant Protein

Catalog # H00004882-G01

Size 10 ug

Specification

Product Description

Human NPR2 full-length ORF (AAH96341.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MALPSLLLLVAALAGGVRPPGARNLTAVVLPEHNLSYAWAWPRVGPVALAVEALGRALPVDL
RFVSSELEGACSEYLAPLSAVDLKLYHDPDLLLGP GCVYPAASVARFASHWRLPLLTAGAVASG
FSAKNDHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAALLYDARTDDRPYFTIEGVFEALQG
SNLSVQHQVYAREPGGPEQATHFIRANGRIVYCGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGE
SLRAGPTRATGRP WQDNRTREQAALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVEL
GPSLMNLIAGCFYDGILLYAEVLNETIQEGGTREDGLRVEKMQGRRYHGV TGLVVM DKNNDRETD
FVLWAMGDLDSGDFQPAAHYSGAEKQMW TGRPIPWVKGAPPSDNPPCAFDLDDPSCDKTPL
STLAVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLR
GSSYGSLMTAHGKYQIFANTGHFKGNVVAIKHVNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACI
DPPNICVTEYCPRGS LQGM AFLHNSISSHGSLKSSNCVVD SRFVLKITDYGLASFRSTAEPDDSH
ALYAKKLWTAPELLSGNPLPTTGMQKADVYSFGIILQEIALRSGPFYLEGLDLSPKEVQKVRNGQR
PYFRPSIDRTQLNEELVLLMERCWAQDPAERP DFGQIKGFIRRFNKEGGTSILDNLLRMEQYANN
LEKLVEERTQAYLEEKRAEALLYQILPHSVAEQLKRGETVQAEAFDSVTIYFSDVGF TALSAEST
PMQVV TLLNDLYTCFDAIIDNFDVYK VETIGDAYMVVSGLPGRNGQRHAP E IARMALALLDAVSSF
RIRHRPHDQLRLRIGVHTGPVCAGVVG LKMPRYCLFGD TVNTASRMESNGQALKIHVSSTTKDAL
DELGCFQLELRGDVEMKGKGKMR TYWLLGERKGPPGLL

Host Wheat Germ (in vitro)

Theoretical MW (kDa) 114.1

Interspecies Antigen Sequence Mouse (96); Rat (96)

Form Liquid

Preparation Method [in vitro wheat germ expression system with proprietary liposome technology](#)

Purification None

Recommend Usage Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — NPR2

Entrez GeneID	4882
GeneBank Accession#	BC096341.1
Protein Accession#	AAH96341.1
Gene Name	NPR2
Gene Alias	AMDM, ANPRB, GUC2B, GUCY2B, NPRB, NPRBi
Gene Description	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)
Omim ID	108961 602875
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000021345 OTTHUMP00000045390 atrial natriuretic peptide B-type receptor guanylate cyclase B natriuretic peptide receptor B

Pathway

- [Purine metabolism](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Mental Disorders](#)
- [Myocardial Infarction](#)
- [Ventricular Dysfunction](#)