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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NPR2 (Human) Recombinant Protein (P01)

Catalog Number: H00004882-P01

Regulation Status: For research use only (RUO)

Product Description: Human NPR2 full-length ORF (AAH96341.1, 1 a.a. - 1023 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MALPSLLLLVAALAGGVRPPGARNLTLAVVLPEHNLSY
AWAWPRVGAVALAVEALGRALPVDLRFVSSELEGA
CSEYLAPLSAVDLKLYHDPDLLLGPQCVYPAASVARFA
SHWRLPLLTAGAVASGFSKNDHYRTLVRTGPSAPKL
GEFVVTLHGHNWTARAALLYLDARTDDDRPHYFTIEG
VFEALQGSNLSVQHQVYAREPGGPEQATHFIRANGRI
VYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGES
LRAGPTRATGRPWQDNRTREQAQALREAFQTVLVITY
REPPNPEYQEFQNRLLIRAREDFGVELGPSLMNLIAGC
FYDGILLYAEVLNETIQEGGTREDGLRIVEKMQGRRYH
GVTGLVVMKNDREDFVLWAMGDLDSGDFQPAAH
YSGAEKIWWTGRPIPVWKGAPPSDNPPCAFDLDDP
SCDKTPLSTLAIVALGTGITFIMFGVSSFLIFRKLMEKE
LASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSS
YGSLMTAHGKYQIFANTGHFKGNVVAIKHVNKKRIELT
RQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCP
RGSLQGM AFLHNSISSHGSLKSSNCVVD SRFVLKITD
YGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTT
GMQKADVVSFGIILQEIALRSGPFYLEGLDLSPEIVQK
VRNGQRPYFRPSIDRTQLNEELVLLMERCWAQDPAE
RPDFGQIKGFIRRFNKEGGTSILDNLLLMEQYANNLE
KLVEERTQAYLEEKRAEALLYQILPHSVAEQLKRGET
VQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLNDLY
TCFDAIIDNFDVYK VETIGDAYMVVSGLPGRNGQRHAP
EIARMALALLDAVSSFRIRHRPHDQLRLRIGVHTGPVC
AGVVGLKMPRYCLFGDTVNTASRMESNGQALKIHVSS
TTKDALDELGCFQLELRGDVEMKKGKGMRTYWLLGE
RKGPPGLL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 140.5

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Entrez GeneID: 4882

Gene Symbol: NPR2

Gene Alias: AMDM, ANPRB, GUC2B, GUCY2B, NPRB, NPRBi

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]