



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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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  
AWAWPRVGPVALAVEALGRALPVDLRFVSSELEGA  
CSEYLAPLSAVDLKLYHDPDLLLPGPCVYPAASVARFA  
SHWRLPLLTAGAVASGFSKNDHYRTLVRTGPSAPKL  
GEFVVTLHGHNWTARAALLYLDARTDDDRPHYFTIEG  
VFEALQGSNLSVQHQVYAREPGGPEQATHFIRANGRI  
VYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGES  
LRAGPTRATGRPWQDNRTREQAQALREAFQTVLVITY  
REPPNPEYQEFQNRLLIRAREDFGVELGPSMLNLIAGC  
FYDGILLYAEVLNETIQEGGTREDGLRIVEKMQGRRYH  
GVTGLVVMKNDREDFVLWAMGDLDSGDFQPAAH  
YSGAEKIWWTGRPIPVWKGAPPSDNPPCAFDLDDP  
SCDKTPLSTLAIVALGTGITFIMFGVSSFLIFRKLMEKE  
LASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSS  
YGSLMTAHGKYQIFANTGHFKGNVVAIKHVNKKRIELT  
RQVLFELKHM RDVQFNHLTRFIGACIDPPNICIVTEYCP  
RGS LQGMAFLHNSISSHGSLKSSNCVVD SRFVLKITD  
YGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTT  
GMQKADVVSFGIILQEIALRSGPFYLEGLDLSPEIVQK  
VRNGQRPYFRPSIDRTQLNEELVLLMERCWAQDPAE  
RPDFGQIKGFIRRFNKEGGTSILDNLLLMEQYANNLE  
KLVEERTQAYLEEKRAEALLYQILPHSVAEQLKRGET  
VQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLNDLY  
TCFDAIIDNFDVYK VETIGDAYMVVSGLPGRNGQRHAP  
EIARMALALLDAVSSFRIRHRPHDQLRLRIGVHTGPVC  
AGVVGLKMPRYCLFGDTVNTASRMESNGQALKIHVSS  
TTKDALDELGCFQLELRGDVEMKKGKGMRTYWLLGE  
RKGPPGLL

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 140.5

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

**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]