



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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
CSEYLAPLSAVDLKLYHDPDLLLPGGCVPYPAASVARFA
SHWRLPLLTAGAVASGFSKNDHYRTLVRTGPSAPKL
GEFVVTLHGHNWTARAALLYLDARTDDRPHYFTIEG
VFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRI
VYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGES
LRAGPTRATGRPWWQDNRTREQAALREAFQTVLVITY
REPPNPEYQEFQNRLLIRAREDFGVELGPSLMNLIAGC
FYDGILLYAEVLNETIQEGGTREDGLRIVEKMQGRRYH
GVTGLVVMDDKNDRETDVFLWAMGDLDSGDFQPAAH
YSGAEKQIWWTGRPIPWVKGAPPSDNPPCAFDLDDP
SCDKTPLSTLAIVALGTGITFIMFGVSSFLIFRKLMEKE
LASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSS
YGSLMTAHGKYQIFANTGHFKGNVVAIKHVNKKRIELT
RQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCP
RGSQGMFLHNSIISHSGLKSSNCVDSRFVLKITD
YGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTT
GMQKADVYSFGIILQEIALRSGPFYLEGLDLSPKEIVQK
VRNGQRPYFRPSIDRTQLNEELVLLMERCWAQDPAE
RPDFGQIKGFIRRFNKEGGTSILDNLLRMEQYANNLE
KLVEERTQAYLEEKRAEALLYQILPHSVAEQLKRGET
VQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLLNDLY
TCFDAIDNFDVYKVTIGDAYMVVSGLPGRNGQRHAP
EIARMALALLDAVSSFRIHRPHDQLRLRIGVHTGPVC
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]