

Recombinant mouse NRP2 protein (His tag) ab277019

2 Images

Description

Product name	Recombinant mouse NRP2 protein (His tag)
Biological activity	Measured by its ability to bind rat Fc-VEGFC in functional ELISA.
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	<u>Q35375-1</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse

Sequence

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MDMFPLTWVF LALYFSGHEV RSQQDPPCGG
RLNSKDAGYI TSPGYPQDYP SHQNCEWIVY
APEPNQKIVL NFNPHFEIEK HDCKYDFIEI RDGDSEADL
LGKHCIGNIAP PTISSGSVL YIKFTSDYAR QGAGFSLRYE
IFKTGSEDCS KNFTSPNGTI ESPGFPEKYP HNLDCFTIL
AKPRMEILQ FLTFDLEHDP LQVGECDCKY
DWLDIWDGIP HVGPLIGKYC GTKTPSKLRS STGILSLTFH
TDMAVAKDGF SARYYLHQE PPENFQCNVP
LGMESGRIAN EQISASSTFS DGRWTPQQSR
LHGDDNGWTP NLDSNKEYLQ VDLRFLTMLT
AIATQGAISR ETQKGYYVKS YKLEVSTNGE
DWMVYRHGKN HKIFQANND A TEVVLNKLHM PLLTRFIR
PQTWHLGIAL RLELFGCRVT DAPCSNMLGM LSGLIADTQI
SASSTREYLW SPSAARLVSS RSGWFPRNPQ
AQPGEWLQV DLGTPKTVKG VIIQGARGGD
SITAVEARAF VRKFKVSYSL NGKDWEYIQD
PRTQQTKLFE GNMHYDTPDI RRFDPVPAQY
VRVYPERWSP AGIGMRLEVL GCDWTDKPT
VETLGPTVKS EETTPYPMD EDATECGENC
SFEDDKDLQL PSGFNCFDF PEETCGWVYD
HAKWLRSTWI SSANPNDRTF PDDKNFLKLQ
SDGRREGQYG RLISPPVHLP RSPVCMFQY
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QAMGGHGVAL QVREASQES KLLWVIREQ
GSEWKHGRII LPSYDMEYQI VFEGVIGKGR SGEISIDDIR
ISTDVPLENC MEPISAFAGE DFKVDIPETH GGEGYEDEID
DEYEGDWSNS SSSTSGAGDP SSGKEKSWLY TLDP

Predicted molecular weight	97 kDa including tags
Molecular weight information	The recombinant mouse NRP2 consists of 855 amino acids and predicts a molecular mass of 96.5 kDa.
Amino acids	1 to 864
Tags	His tag C-Terminus
Additional sequence information	Predicted N-terminus: Arg 21.

Specifications

Our **Abpromise guarantee** covers the use of **ab277019** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized

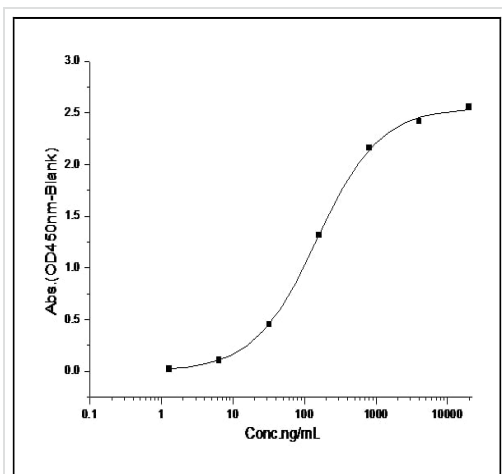
Preparation and Storage

Stability and Storage	Shipped at Room Temperature. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	This information is lot specific. Please contact our technical Support team for details.

General Info

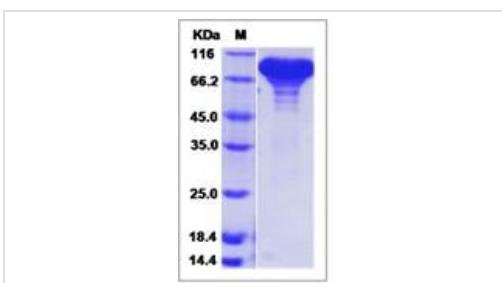
Function	High affinity receptor for semaphorins 3C, 3F, VEGF-165 and VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF.
Sequence similarities	Belongs to the neuropilin family. Contains 2 CUB domains. Contains 2 F5/8 type C domains. Contains 1 MAM domain.
Domain	The tandem CUB domains mediate binding to semaphorin, while the tandem F5/8 domains are responsible for heparin and VEGF binding.
Cellular localization	Membrane.

Images



Measured by its ability to bind rat Fc-VEGFC in functional ELISA.

Functional Studies - Recombinant mouse NRP2 protein (His tag) (ab277019)



SDS-PAGE analysis of ab277019

SDS-PAGE - (ab277019)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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