

Neuropilin 2 (NRP2) Recombinant Protein | NRP2 recombinant protein

Recombinant Neuropilin 2 (NRP2)

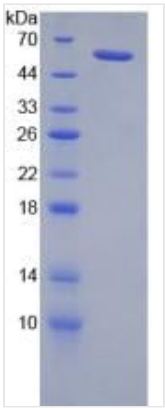
CATALOG # AAA134618	HOST E. coli	REACTIVITY Rat	APPLICATIONS Western Blot, SDS-Page
-------------------------------	------------------------	--------------------------	---

PRODUCT SYNONYMS

Neuropilin 2 (NRP2); Recombinant Neuropilin 2 (NRP2); NRP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Rat
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Concentration	200ug/mL (varies by lot)
Applicable Applications for NRP2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu652~Pro858
Tags	Two N-terminal Tags, His-tag and GST-tag
Tissue Specificity	Brain, Liver.
Subcellular Location	Membrane; Single-pass type I membrane protein
Traits	Freeze-dried powder
Predicted isoelectric point	5.3
Predicted Molecular Mass	53.3kDa
Accurate Molecular Mass	58kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence

EETCGMYD RAKWLQSTWI SSANPNDRTF PDDKNFLKLQ SDGGREGQFG
RLISPPVHLP RSPVCMFQY QAMGGHVAL QVREARQES KLLWVIREQ
GSEWKHGRII LPSYDMEYQI VFEGVIGKGR SGEISIDDIR ISTDVPLENC
MEPISAFVD IPEIHGGEGY EDEIDDDYEG DWNNSSTSG AGSPSSGKEK
SWLYTLDP

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	13540699
NCBI GeneID	81527
NCBI Accession #	NP_110496.1
NCBI GenBank Nucleotide #	NM_030869.3
UniProt Accession #	O35276
NCBI Official Full Name	neuropilin-2
NCBI Official Synonym Full Names	neuropilin 2
NCBI Official Symbol	Nrp2
NCBI Protein Information	neuropilin-2; vascular endothelial cell growth factor 165 receptor 2
UniProt Protein Name	Neuropilin-2
UniProt Gene Name	Nrp2
UniProt Entry Name	NRP2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.