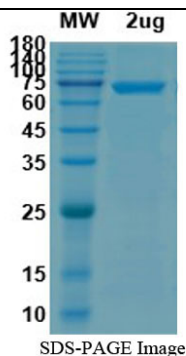


## Product Details

### Summary

Product name	Recombinant Human NRP1 protein
Catalog#	ATAP00146
description	Recombinant Human NRP1 is produced by E.coli expression system and the target gene encoding Phe22-Lys644 is expressed with His Tag
Expression system	E.coli
Species	Homo sapiens (Human)
Accession #	O14786
Alternative names	Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, CD304.
Predicted Molecular Mass	72.14 kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information
Formulation	Supplied as solution form in PBS, pH7.5 or lyophilized from PBS, pH7.5
Shipping	In general, proteins are shipped out with blue ice unless customers require otherwise.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Reconstitution	Please refer to the instruction in the hard copy of COA.
Application	Immunogen

### SDS-PAGE image



### Background

Receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. It mediates the chemorepulsant activity of semaphorins. It binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF165 isoform of VEGFA and VEGFB. Coexpression with KDR results in increased VEGF165 binding to KDR as well as increased chemotaxis. Regulates VEGF-induced angiogenesis. Binding to VEGFA initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development). Regulates mitochondrial iron transport via interaction with ABCB8/MITOSUR.

## Note

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For research use only.

