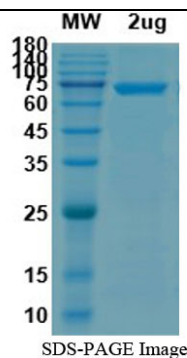
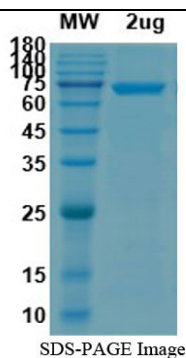


Product Details

Summary

English name	Recombinant Human NRP1 protein
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information.
Construction	A DNA sequence encoding the human NRP1 (Phe22-Lys644) was fused with His tag
Accession #	O14786
Host	E.coli
Species	Homo sapiens (Human)
Predicted Molecular Mass	66.23 kDa
Formulation	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/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	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.

SDS-PAGE image



Background

Background	Receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis
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Recombinant Human NRP1 protein

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.

Alternative Names

Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, CD304.

