

Recombinant Human NPTN, His-tagged

Cat. No. NPTN-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Neuroplastin is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gln29-His220) of Human NPTN fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	29-220 a.a.
Description	Neuroplastin is a 52-57 kDa member of the Ig-superfamily. Neuroplastin likely serves as a cell adhesion molecule, and is widely expressed in multiple tissues. Human Neuroplastin is 282 amino acids in length. Human Neuroplastin is a type I transmembrane glycoprotein that contains two Ig-like domains (aa 32-119 and 122-213) and a 38 aa cytoplasmic region (aa 245-282).
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2
AA Sequence	QNEPRIVTSEEVIIRDSPVLPVTLQCNLTSSSHTLTYSYWTNGVELSATRKNASNME YRINKPR AEDSGEYHCVYHFVSAPKANATIEVKAAPDITGHKRSENKNEGQDATMY CKSVGYPHPDWIWRKK ENGMPMDIVNTSGRFFIINKENYTELNIVNLQITEDPGEYE CNATNAIGSASVTVLRVRSHVDH HHHHH
Endotoxin	Less than 0.1 ng/µg (1 IEU/µg).

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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	NPTN neuroplastin [Homo sapiens]
Official Symbol	NPTN
Synonyms	NPTN; neuroplastin; SDFR1, stromal cell derived factor receptor 1; GP55; GP65; np55; np65; SDR1; SDR-1; stromal cell-derived receptor 1; stromal cell derived factor receptor 1; SDFR1; MGC102805; DKFZp686L2477;
Gene ID	27020
mRNA Refseq	NM_001161363
Protein Refseq	NP_001154835
MIM	612820
UniProt ID	Q9Y639
Chromosome	15q24.1

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Location**Function**

cell adhesion molecule binding; type 1 fibroblast growth factor receptor binding;

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