

## Recombinant Human NPTN, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	29-220 a.a.
<b>Description</b>	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).
<b>Form</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.2
<b>AA Sequence</b>	QNEPRIVTSEEVIIRDSPVLPVTLQCNLTSSSHLTYSYWTKNGVELSATRKNASNME YRINKPR AEDSGEYHCVYHFVSAPKANATIEVKAAPDITGHKRSENKNEGQDATMY CKSVGYPHPDWIWRKK ENGMPMDIVNTSGRFFIINKENYTELNIVNLQITEDPGEYE CNATNAIGSASVVTVLRVRSVDH HHHHH
<b>Endotoxin</b>	Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g).

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<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Storage</b>	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
<b>Reconstitution</b>	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

<b>Gene Name</b>	<a href="#">NPTN neuroplastin [ Homo sapiens ]</a>
<b>Official Symbol</b>	NPTN
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">27020</a>
<b>mRNA Refseq</b>	<a href="#">NM_001161363</a>
<b>Protein Refseq</b>	<a href="#">NP_001154835</a>
<b>MIM</b>	<a href="#">612820</a>
<b>UniProt ID</b>	<a href="#">Q9Y639</a>
<b>Chromosome</b>	15q24.1

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**Location**

**Function**

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

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