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Datasheet for ABIN7318820 NPTN Protein (His tag)

Overview

Quantity:	50 µg
Target:	NPTN
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPTN protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Neuroplastin/NPTN Protein (His Tag)
Sequence:	Gln29-His220
Characteristics:	Recombinant Human Neuroplastin is produced by our Mammalian expression system and the target gene encoding Gln29-His220 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NPTN
Alternative Name:	Neuroplastin/NPTN (NPTN Products)
Background:	Background: Neuroplastin (NPTN) 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 that contains two Ig-like domains and a 38 aa cytoplasmic

Target Details

region. Probable homophilic and heterophilic cell adhesion molecule involved in long term potentiation at hippocampal excitatory synapses through activation of p38MAPK. Neuroplastin may also regulate neurite outgrowth by activating the FGFR1 signaling pathway. It may play a role in synaptic plasticity.

Synonym: Neuroplastin, Stromal Cell-Derived Receptor 1, SDR-1, NPTN, SDFR1, SDR1

Molecular Weight: 22.7 kDa

UniProt: [Q9Y639](#)

Pathways: [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.