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Datasheet for ABIN1097224

**NPTN Protein (AA 29-220) (His tag)**

## Overview

Quantity:	50 µg
Target:	NPTN
Protein Characteristics:	AA 29-220
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 (C-6His)
Sequence:	QNEPRIVTSE EVIIRDSPVL PVTLQCNLTS SSHTLTYSYW TKNGVELSAT RKNASNMEYR INKPRAEDSG EYHCVYHFVS APKANATIEV KAAPDITGHK RSENKNEGQD ATMYCKSVGY PHPDWIWRKK ENGMPPMDIVN TSGRFFIINK ENYTELNIVN LQITEDPGEY ECNATNAIGS ASVVTVLRVR SHVDHHHHHH
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	NPTN
Alternative Name:	neuroplastin ( <a href="#">NPTN Products</a> )
Sub Type:	Fusionprotein
Background:	<p>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).</p> <p>Alternative Names: Neuroplastin, Stromal Cell-Derived Receptor 1, SDR-1, NPTN, SDFR1, SDR1</p>
Molecular Weight:	22.69 kDa
UniProt:	<a href="#">Q9Y639</a>
Pathways:	<a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
Expiry Date:	3 months