

Datasheet for ABIN1344145

**Netrin 1 Protein (NTN1) (AA 25-604) (Fc Tag)****2** Publications[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	Netrin 1 (NTN1)
Protein Characteristics:	AA 25-604
Origin:	Mouse, Human, Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Netrin 1 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

## Product Details

Specificity:	Binds to human, mouse and rat UNC5B.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Characteristics:	Human netrin-1 (aa 25-604) is fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

## Target Details

Target:	Netrin 1 (NTN1)
Alternative Name:	Netrin-1 ( <a href="#">NTN1 Products</a> )

## Target Details

Background:	Netrin-1 controls guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Netrin-1 is also Involved in tumorigenesis by regulating apoptosis. Netrin-1 promotes atherosclerosis by retaining macrophages in the artery wall. Netrin-1 also governs induced pluripotent stem cell (iPS) formation and improves reprogramming efficiency of human and mouse somatic cells by limiting apoptosis mediated by Netrin-1 receptors DCC or UNC5b.
Molecular Weight:	~90kDa (SDS-PAGE)
UniProt:	<a href="#">O95631</a>
Pathways:	<a href="#">Regulation of Cell Size</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Induces pluripotent stem cell (iPS) formation and improves reprogramming efficiency of human and mouse somatic cells by inhibiting apoptosis mediated by the receptors DCC or UNC5B (at 150ng /ml). Induces axon outgrowth.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 100 µL sterile distilled water.
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS plus protein stabilizer. No BSA included. The protein stabilizer shows no interference with protein activity.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

## Publications

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Product cited in: Atsriku, Hoffmann, Moghaddam, Kumar, Surapaneni: "In vitro metabolism of a novel JNK inhibitor tanzisertib: interspecies differences in oxido-reduction and characterization of enzymes involved in metabolism." in: **Xenobiotica; the fate of foreign compounds in biological systems**, Vol. 45, Issue 6, pp. 465-80, (2015) ([PubMed](#)).