

Active Recombinant Human NTN1, Fc-tagged

Cat. No. NTN1-428H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human netrin-1 (aa 25-604) is fused at the C-terminus to the Fc portion of human IgG1.
Species	Human
Source	HEK293
ProteinLength	25-604 a.a.
Description	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.
Form	Lyophilized. Contains PBS with Trehalose and Brij35.
Bio-activity	Induces axon outgrowth.
Molecular Mass	~90kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.

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Storage Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

Concentration 0.1mg/ml after reconstitution.

GENE INFORMATION

Gene Name NTN1 netrin 1 [Homo sapiens]

Official Symbol NTN1

Synonyms NTN1; netrin 1; netrin-1; Netrin 1; NTN1L; netrin 1, mouse, homolog of;

Gene ID 9423

mRNA Refseq NM_004822

Protein Refseq NP_004813

MIM 601614

UniProt ID O95631

Chromosome Location 17p13-p12

Pathway Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; DCC mediated attractive signaling, organism-specific biosystem; DSCAM

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interactions, organism-specific biosystem;

Function

protein binding;

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