

Recombinant Human Netrin 1, FLAG-tagged

Cat. No. NTN1-2173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Netrin 1 (aa 28-604) is produced in HEK 293 cell and fused at the N-terminus to a FLAG-tag. MW= 85kDa.
Species	Human
Source	HEK293
Protein Length	28-604 a.a.
Description	The Netrins (whose name means "one who guides" in Sanskrit) are a family of laminin-related secreted protein. In mice, human and rat, netrin-1, netrin-3/NTL2, netrin-4 and G-netrins have been cloned. Netrin-1 is predominantly expressed by floor plate cells as commissural axons extend toward the ventral midline. Netrin-1 induces axonal outgrowth, axon orientation and neuronal migration in neuronal development. It is chemoattractive for some neurons and chemorepellent for others.
Concentration	0.1mg/ml after reconstitution.
Purity	≥95% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.
Specificity	Binds to human, mouse and rat receptors UNC5H and DCC.
Reconstitution	Reconstitute with 100µl sterile distilled water. Resuspended protein should be used

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immediately upon reconstitution to avoid loss in activity due to non-specific binding to the vial. Further dilutions should be made with medium containing 5% fetal calf serum or 0.5% BSA.

Storage And Stability

Stable for at least 6 months after receipt when stored at -20°C. Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.

GENE INFORMATION

Gene Name [NTN1 netrin 1 \[Homo sapiens \]](#)

Synonyms NTN1; netrin 1; NTN1L; Netrin-1; 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 Axon guidance

Function protein binding

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