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
ProteinLength	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 100µsterile 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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