

Recombinant Mouse Netrin 1 Protein, Flag tagged

Cat. No. Ntn1-017H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse netrin-1 (aa 27-604) fused at the C-terminus to a FLAG-tag was produced in HEK 293 cells.
Species	Mouse
Source	HEK293
ProteinLength	27-604 aa
Description	Predicted to be an extracellular matrix structural constituent. Involved in chemorepulsion of axon and regulation of synapse assembly. Acts upstream of or within several processes, including generation of neurons; inner ear morphogenesis; and regulation of neurogenesis. Located in basement membrane and cytoplasm. Is active in glutamatergic synapse. Is expressed in several structures, including alimentary system; central nervous system; integumental system; lung; and sensory organ. Human ortholog(s) of this gene implicated in congenital mirror movement disorder. Orthologous to human NTN1 (netrin 1).
Tag	C-Flag
Molecular Mass	~80 kDa
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	≥90% (SDS-PAGE), Purified by multi-step chromatography.

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Specificity	Binds to human and mouse UNC5B.
Applications	ELISA: binds to UNC5B.
Stability	Stable for at least 6 months after receipt when stored at -20 centigrade.
Reconstitution	Reconstitute with 100 µL sterile distilled water. Resuspended protein should be used 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	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20 centigrade. Long Term Storage: -20 centigrade
Concentration	0.1 mg/mL after reconstitution.
Storage Buffer	Lyophilized. Contains PBS.
Shipping	Blue Ice

GENE INFORMATION

Gene Name	Ntn1 netrin 1 [Mus musculus (house mouse)]
Official Symbol	Ntn1
Synonyms	NTN1; netrin 1; netrin-1; AI561871; BC019633; Netrin-1
Gene ID	18208

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mRNA Refseq [NM_008744](#)

Protein Refseq [NP_032770](#)

UniProt ID [O09118](#)

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