

## Recombinant Human Netrin 1, FLAG-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Protein Length</b>	28-604 a.a.
<b>Description</b>	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.
<b>Concentration</b>	0.1mg/ml after reconstitution.
<b>Purity</b>	≥95% (SDS-PAGE).
<b>Formulation</b>	Lyophilized. Contains PBS.
<b>Specificity</b>	Binds to human, mouse and rat receptors UNC5H and DCC.
<b>Reconstitution</b>	Reconstitute with 100µl sterile distilled water. Resuspended protein should be used

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

<b>Gene Name</b>	NTN1 netrin 1 [ Homo sapiens ]
<b>Synonyms</b>	NTN1; netrin 1; NTN1L; Netrin-1; netrin 1, mouse, homolog of
<b>Gene ID</b>	9423
<b>mRNA Refseq</b>	NM_004822
<b>Protein Refseq</b>	NP_004813
<b>MIM</b>	601614
<b>UniProt ID</b>	O95631
<b>Chromosome Location</b>	17p13-p12
<b>Pathway</b>	Axon guidance
<b>Function</b>	protein binding

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