

## 32-7697: Recombinant Human Netrin-G1/NTNG1 (C-6His)

**Gene :** NTNG1

**Gene ID :** 22854

**Uniprot ID :** Q9Y2I2

### Description

Source: Human Cells.

MW :43.5kD.

Recombinant Human Netrin-G1 is produced by our Mammalian expression system and the target gene encoding His29-Ser409 is expressed with a 6His tag at the C-terminus. Netrin-G1 (NTNG1) is a member of a conserved family of proteins that act as axon guidance cues during vertebrate nervous system development. Netrin-G1 contains one laminin EGF-like domain and one laminin N-terminal domain, Netrin-G1 is highly expressed in the thalamus, lowly in other tissue. Netrin-G1 localizes to the cell membrane. Netrin-G1 interacts with NGL1 and is glycosylated in the N-terminal. In addition, Netrin-G1 can promote neurite outgrowth of both axons and dendrites.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** HYDLCKTQIYTEEGKVVDYMACQPESTDMTKYLKVKLDPPDITCGDPPETFCAMGNPYMCNNECDASTPELAH  
PPELMFDFEGRHPSTFWQSATWKEYPKPLQVNITLSWSKTIELTDNIVITFESGRPDQMILEKSLDYGRWQPYQ  
YYATDCLDAFHMDPKSVKDLQHTVLEICTEYSTGYTTNSKIIHFEIKDRFAFFAGPRLRNMASLYGQLDTTKK  
LRDFFVTDLRIRLLRPAVGEIFVDELHLARYFYAISDIKVRGRCKCNLHATVCVYDNSKLTCECEHNNTGPDG  
KCKKNYQGRPWSYLPKGTANTCIPSISSIGTNVCDNELLHCQNGGTCHNNVRCLCPAAYTGILCEKLRCE  
EAGSCGSVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.