

Recombinant Human NTNG1, His-tagged

Cat. No. NTNG1-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Netrin-G1/NTNG1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (His29-Ser409) of Human Netrin-G1 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	29-409 a.a.
Description	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 promotes neurite outgrowth of both axons and dendrites.
AA Sequence	HYDLCKTQIYTEEGKVWDYMACQPESTDMTKYLKVKLDPPDITCGDPPETFCAMGN PYMC61NNE CDASTPELAHPPELMFDFEGRHPSTFWQSATWKEYPKPLQVNITLS WSKTIELTDNI121VITFE SGRPDQMILEKSLDYGRTWQPYQYYATDCLDAFHMDPK SVKDLSQHTVLEIICTE181EYSTGYT TNSKIIHFEIKDRFAFFAGPRLRNMASLYGQL DTTKKL RDFFTV DLRIRLLR241PAVGEIFVD ELHLARYFYAISDIKVRGRCKCNLHA TVCVYDNSKLTCECEHNTTGPDCGK31CKKNYQGRPWS PGSYLPKPGTANTCIPS ISSIGTNVCDNELLHCQNGGTCHNNVRCLCP361AAYTGILCEKLRC EEAGSCGSVD

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Endotoxin

Less than 0.1 ng/μg (1 IEU/μg).

Purity

Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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