

NTNG1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71176
Synonyms:	Netrin-G1; Laminet-1; NTNG1; KIAA0976; LMNT1
Species:	Human
Source:	HEK293
Accession:	Q9Y2I2 (H29-S409)
Gene ID:	22854
Molecular Weight:	Approximately 51.0 kDa

PROPERTIES

AA Sequence	<div> HYDLCKTQIY DITCGDPPET FEGRHPSTFW VITFESGRPD DPKSVKDL SQ FAFFAGPRLR PAVGEIFVDE DNSKLTCECE GTANTCIPSI AAYTGILCEK </div> <div> TEEGKVWDY M FCAMGNPYMC QSATWKEYPK QMILEKSLDY HTVLEI ICTE NMA SLYGQLD LHLARYFYAI HNTTGPD CGK SSIGTNVCDN LRCEEAGSCG </div> <div> ACQPESTDMT NNECDASTPE PLQVNITLSW GRTWQPYQYY EYSTGYTTNS TTKKLRDFFT SDIKVRGRCK CKKNYQGRP W ELLHCQNGGT S </div> <div> KYLKVKLDP P LAHPPELMFD SKTIELTDNI ATDCLDAFHM KIIHFEIKDR VTDLRIRLLR CNLHATVCVY SPGSYLP I PK CHNNVRC LCP </div>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Histidine-HCl, 6% Trehalose, 50 mM NaCl, 0.05% Tween 80, pH 5.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	NTNG1 emerges as a master conductor in the orchestration of neural circuit development, intricately guiding patterning across laminar, cellular, subcellular, and synaptic dimensions. Its influential role extends to fostering the outgrowth of neurites, encompassing both axons and dendrites. In this symphony of neurodevelopment, NTNG1 engages in a nuanced
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interaction with NGL1, adding a layer of specificity to its involvement in shaping the intricate landscape of neuronal connectivity.

Caution: Product has not been fully validated for medical applications. For research use only.

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