

Animal-Free Neurturin Protein, Mouse (His)

Cat. No.:	HY-P700224AF
Synonyms:	NTN; NRTN
Species:	Mouse
Source:	E. coli
Accession:	P97463.1 (P96-V195)
Gene ID:	18188
Molecular Weight:	Approximately 12.33 kDa

PROPERTIES

AA Sequence	P G A R P C G L R E L E V R V S E L G L G Y T S D E T V L F R Y C A G A C E A A I R I Y D L G L R R L R Q R R R V R R E R A R A H P C C R P T A Y E D E V S F L D V H S R Y H T L Q E L S A R E C A C V
Biological Activity	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED ₅₀ for this effect is <50 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the 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	<p>Neurturin, a crucial factor in neuronal support, plays a pivotal role in fostering the survival of sympathetic neurons in cultured environments. Its potential extends beyond neuronal realms, as it is implicated in the regulation of central nervous system (CNS) development and maintenance. Additionally, Neurturin exhibits the capacity to influence the size of non-neuronal cell populations, including but not limited to haemopoietic cells. Structurally, Neurturin manifests as a homodimer, connected through disulfide linkages, accentuating its role as a multifaceted player in cellular homeostasis and development.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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