

Animal-Free Neurturin Protein, Human (His)

Cat. No.:	HY-P700142AF
Synonyms:	Neurturin; NRTN
Species:	Human
Source:	E. coli
Accession:	Q99748 (A96-V197)
Gene ID:	4902
Molecular Weight:	Approximately 12.62 kDa

PROPERTIES

AA Sequence	<p>M A R L G A R P C G L R E L E V R V S E L G L G Y A S D E T V L F R Y C A G A C</p> <p>E A A A R V Y D L G L R R L R Q R R R L R R E R V R A Q P C C R P T A Y E D E V</p> <p>S F L D A H S R Y H T V H E L S A R E C A C V</p>
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 protein, a vital factor in neurobiology, plays a key role in supporting the survival of sympathetic neurons in culture. Beyond its role in neuronal survival, Neurturin is suggested to have regulatory functions in the development and maintenance of the central nervous system (CNS), influencing the intricate processes governing neural growth and stability. Additionally, there is a potential involvement in modulating the size of non-neuronal cell populations, such as haemopoietic cells, underscoring its broader impact on cellular dynamics. Neurturin functions as a homodimer, held together by disulfide linkages, emphasizing its structural integrity in executing its diverse cellular functions.</p>
------------	--

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA