9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NRTN Human

Neurturin Human Recombinant
NTR0061

Product Overview

Name	NRTN Human
Description	
Neurturin Human Recombinant	
Accession (Primary)	Q99748
Synonyms	
Neurturin.	
Introduction	
NRTN belongs to the GDNF family of ligands, a distant member of the TGF-beta superfamily. NRTN, a ligand used to bind to GFRA2 receptors, signals through RET and a GPI-linked coreceptor, and promotes endurance of neuronal populations, controls the size of non-neuronal cell population such as haemopoietic cells and regulate the development and maintenance of the CNS. Mutation in NRTN results in Hirschsprung Disease.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
NRTN protein was lyophilized from a 0.2 µm filtered concentrated solution in 30 mM Citrate Sodium, pH 4.2, 400 mM NaCl, with 0.02 % Tween-20.	
Stability	
Lyophilized NRTN although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NRTN should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
ARLGARPCGL RELEVRVSEL GLGYASDETV LFRYCAGACE AAARVYDLGL RRLRQRRRLR RERVRAQPCC RPTAYEDEVS FLDAHSRYHT VHELSARECA CV	
Biological Activity	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Fully biologically active when compared to standard. The biologically active as determined by its binding ability in a functional ELISA.

Solubility

It is recommended to reconstitute the lyophilized NRTN in sterile 18MΩ-cm H2O not less than 0.5mg/ml, which can then be further diluted to other aqueous solutions.

Precautions

NRTN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99748)