
Product Data Sheet

Product Name: NRTN Human
 Cat. No.: GP20767
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-----------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped at Room temp. |
| Synonyms | Neurturin. | | |
| Amino Acid Sequence | ARLGARPCGL RELEVRVSEL GLGYASDETV LFRYCAGACE AAARVYDLGL RRLRQRRRLR RERVRAQPCC RPTAYEDEVS FLDAHSRYHT VHELARECA CV | | |
| Solubility | It is recommended to reconstitute the lyophilized NRTN in sterile 18MΩ-cm H ₂ O not less than 0.5mg/ml, which can then be further diluted to other aqueous solutions. | | |
| 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. | | |

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.

Biological Activity

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

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

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

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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).

Background

NRTN Human Recombinant produced in E.Coli is a homodimeric non-glycosylated polypeptide chains consisting of two 102 amino acids and having a molecular mass of 23.4kDa.

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