

## 32-1617: NRTN Recombinant Protein

**Alternative Name :** Neurturin.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 96.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	NRTN protein was lyophilized from a 0.2µm filtered concentrated solution in 30 mM Citrate Sodium, pH 4.2, 400 mM NaCl, with 0.02 % Tween-20.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	ARLGARPCGL RELEVRVSEL GLGYASDETV LFRYCAGACE AARVYDLGL RRLRQRRRLR RERVRAQPCC RPTAYEDEVS FLDAHSRYHT VHELARECA CV

### Application Note

It is recommended to reconstitute the lyophilized NRTN in sterile 18MΩ<sup>cm</sup> H<sub>2</sub>O not less than 0.5mg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. The biologically active as determined by its binding ability in a functional ELISA.