

# Human NT 3 Recombinant Protein



RPPB0799

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## Product Information    Protein Information

**Product SKU:**

RPPB0799

**Accession:**

P20783

**Host:**

Escherichia Coli.

**Protein description:**

Neurotrophin-3 Human Recombinant produced in E.Coli is a non-glycosylated and non-covalently linked homodimer, containing 2x119 amino acid chains, having a total Mw of 27.2 kDa. The NT-3 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Neurotrophic factor, Nerve growth factor-2, NGF-2, HDNF, NT-3.

**Formulation:**

Lyophilized from 0.02% TFA.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Neurotrophin-3 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized NGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NGF-2 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.

**Amino Acid Sequence:**

YAEHKSHRGE YSVCDSSESLW VTDKSSAIDI RGHQVTVLGE IKTGNPVPKQ YFYETRCKEA RPVKNCGCRGI  
DDKHWNSQCK TSQTYVRALT SENNKLVGWR WIRIDTSCVC ALSRKIGRT.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependent proliferation of C6 cells and is 3.6-5.4µg/ml.