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proNT3 Human

Catalog #:CYPS-022

For research use only.

Description:proNT3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 239 amino acids and having a molecular mass of 27.4kDa. The proNT3 is purified by proprietary chromatographic techniques.

Synonyms: Precursor Form Neurotrophin-3, proNT-3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Asn-Asn-Met-Asp-Gln.

Purity: Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
proNT3 was lyophilized from a concentrated (1mg/ml) solution in 20mM PB, pH 8.0 and 300mM NaCl.

Stability:
Lyophilized proNT3 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution proNT3 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized proNT3 in sterile 18M-cm H2O not less than 100

Introduction:
proNT-3 (the precursor form of neurotrophin-3) functions throμgh p75NTR and sortilin and induces neuronal apoptosis. In contrast, mature NT-3 interacts with Trk receptors and selectively promotes the survival, growth and differentiation of neurons. Since axon retrograde transport is crucial for neurotrophin signaling, proNT-3 also has an important role in the mechanism of retrograde signaling.

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