

Human NT 4 Recombinant Protein



RPPB0801

Product Information Protein Information

Product SKU:

RPPB0801

Accession:

P34130

Host:

Escherichia Coli.

Protein description:

Neurotrophin-4 Human Recombinant produced in E.Coli is a noncovalently linked homodimer, non-glycosylated polypeptide chain containing 2 x 130 amino acids (81-210 amino acids) and having a total molecular mass of 28 kDa. The NT-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

NT4, NT5, NTF5, NT-4/5, NTF4, Neurotrophin-4, Neutrophic factor 4, Neurotrophin-5, NT-5.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing 20mM phosphate buffer pH-7.4 and 150mM NaCl.

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 NT-4 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized NT-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NT-4 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:

GVSETAPASR RGELAVCDAV SGWVTDRTA VDLRGREVEV LGEVPAAGGS PLRQYFFETR CKADNAEEGG
PGAGGGGCRG VDRRHVVSEC KAKQSYVRAL TADAQGRVGV RWIRIDTACV CTLLSRTGRA.

Biological Activity:

Determined by the dose-dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cell cultures was found to be in the range of 20-50 ng/ml.