



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Recombinant Human Neurotrophin-3 (NT-3)

Catalog No.
MD-14-0246P

Source:
E. coli

- Description:** Human Neurotrophin-3, Recomb.Human Neurotrophin-3 (NT-3), Recombinant
Recombinant Human NT-3 is a single non-glycosylated polypeptide chain
containing 119 amino acids and having a molecular weight of 13,606.29 Da. The
sequence of the first five N-terminal amino acids was determined to be Tyr-Ala-
Glu-His-Lys. Contains less than 1% dimers and aggregates.
- Format:** Purified, Lyophilized
Reconstitute using sterile deionized water to a concentration >100ug/ml. Further
dilutions can be made in other aqueous buffers.
- Purification:** >98% pure (HPLC, FPLC and reducing and non-reducing SDS-PAGE).
Endotoxin level is less than 0.1ng/ug (IEU/ug). Purified by chromatographic
techniques.
Product is sterile filtered.
- Concentration:** 1mg/ml (OD280nm, E0.1%= 2.165) (prior to lyophilization)
- Buffer:** Lyophilized from water containing no additives
- Preservative:** None
- Applications:** The ED50 as determined by the dose-dependent induction of choline acetyl
transferase in rat basal forebrain primary septal culture was found between 20-
50ng/ml. Each laboratory should determine an optimum working titer for use in
its particular application. Other applications have not been tested but use in such
assays should not necessarily be excluded.
- Storage:** The lyophilized product, though stable for 3 weeks at room temperature, is best
stored at -20°C. After reconstitution, short term (up to 1 week) store at 2-8°C.
Long term, add 0.1% HSA or BSA, aliquot and store at -20°C. Avoid multiple
freeze/thaw cycles.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**