NTF
Recombinant Human Neurotrophin-3

Catalog No.	CRH440A CRH440B	**Quantity:**	10 µg 20 µg

Alternate Names: NT-3, HDNF, Nerve growth factor 2, NGF-2, Neurotrophic factor

Description: Neurotrophin-3 (NTF3) is a key mediator of neuronal development during the early neurogenic period, as a putative regulatory target of POU3F2. NTF3 is a novel target gene of POU3F2 and that the POU3F2/NTF3 pathway plays a role in the process of neuronal differentiation. Neurotrophin 3 (NTF3) is capable of activating TrkB to induce anoikis resistance, and show that NTF3 is a direct target of miR-2c.

UniProt ID: P20783-1

Protein Construction: A DNA sequence encoding the human NT3 (Tyr139-Thr257) was expressed and purified.

Source: E. coli

Molecular Weight: The recombinant human NT3 consists of 120 amino acids with a predicted molecular mass of 13.8 kDa. The apparent molecular mass is ~16 kDa in SDS-PAGE under reducing conditions.

Formulation: Lyophilized from sterile PBS, pH 5 containing 5% trehalose, 5% mannitol and 0.01% Tween-80

Purity: > 90 % as determined by SDS-PAGE.

Biological Activity: Measured by its binding ability in a functional ELISA.
Immobilized human NT3 at 10 µg/ml (100 µl/well) can bind human TrkB-Fch. The EC50 of human TrkB-Fch is 28.2-65.8 ng/mL.

Predicted N-terminal: Met

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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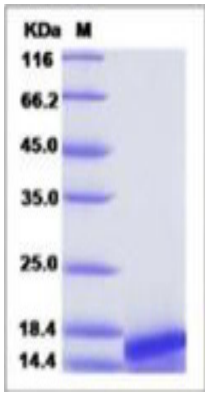
SDS-PAGE



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