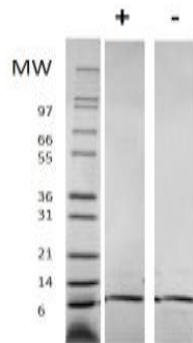


NTF4

Recombinant Human Neurotrophin-4

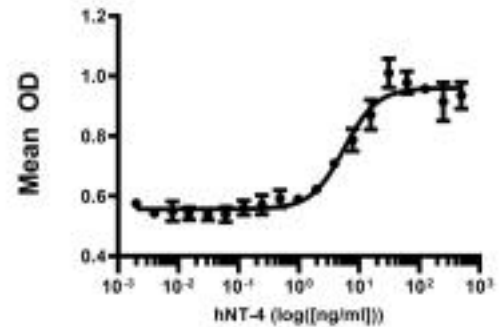
Catalog No.	CRH321A CRH321B CRH321C CRH321D	Quantity:	2 µg 100 µg 1 mg 10 µg
Alternate Names:	Neurotrophin-4, Neurotrophin 5, NT-5, Neurotrophic Factor 4		
Description:	Neurotrophin-4 (NT-4) is an important member of the nerve growth factor (NGF) family of proteins. Neurotrophins undergo paracrine and autocrine signaling to control neuronal survival, neuronal differentiation, and dendrite outgrowth. NT-4 is expressed ubiquitously and signals through the TrkB receptor tyrosine kinase.		
Gene ID:	4909		
UniProt ID:	P34130		
Source:	<i>E. coli</i>		
Molecular Weight:	14.1/28.1 kDa, (131/262 aa) noncovalant homodimer		
Formulation:	Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 20 ng/ml by dose-dependent proliferation of a neuroblastoma cell line stably expressing TrkB (BR6).		
Specific Activity:	≥ 5.0 x 10 ⁴ units/mg		
Amino Acid Sequence:	MGVSETAPAS RRGELAVCDA VSGWVTDRRT AVDLRGREVE VLGEVPAAGG SPLRQYFFET RCKADNAEEG GPGAGGGGCR GVDRRHVVSE CKAKQSYVRA LTADAQGRVG WRWIRIDTAC VCTLLSRTGR A		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution , the preparation is stable for up to one month at 2-8°C. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -80°C. Avoid repeated freeze-thaw cycles.		



Human Gro-beta

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human GROb has a predicted MW of 7.9 kDa.

Recombinant NT-4 Induced Proliferation of Neuroblastoma Cells



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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