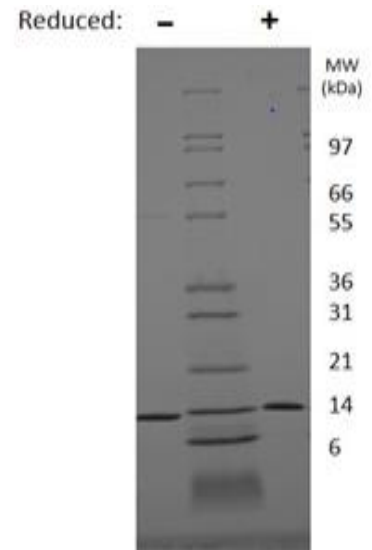
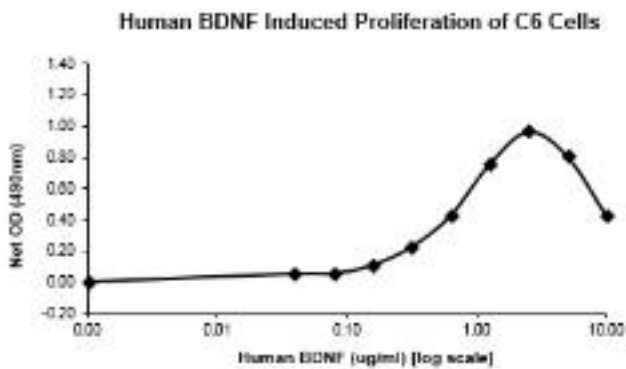


Recombinant Human BDNF

Catalog No.	CRH301A CRH301B CRH301C	Quantity:	2 µg 100 µg 1 mg
Description:	Brain-derived neurotrophic factor (BDNF) is a nerve growth factor that binds two receptors, the low-affinity nerve growth factor receptor (LNGFR) and the tropomyosin receptor kinase B (TrkB), to support neuron growth and survival. BDNF expression in the hippocampus is essential for long-term memory storage and learning.		
Protein Accession No:	P23560		
Source:	<i>E. coli</i>		
Molecular Weight:	Non-glycosylated homodimer, two 27 kDa chains (each chain 119 aa)		
Formulation:	Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)		
Cross-Reactivity:	Human, mouse, rat and pig BDNF are cross reactive.		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis		
Biological Activity:	Determined by the dose-dependant stimulation of C6 cells, typically ED50 is < 1 µg/mL.		
Specific Activity:	5 x 10 ² U/mg		
Amino Acid Sequence:	MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
Storage & Stability:	Upon receipt , store desiccated at -20°C for up to one year. Upon reconstitution , the preparation is stable for up to one month at 2-8°C. For long term storage , reconstitute in working aliquots in 0.1% BSA solution and store at -80°C. Avoid repeated freeze-thaw cycles.		

Figure 1: 1 μ g in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



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

