

BDNF

Recombinant Human Brain-Derived Neurotrophic Factor Animal Free

Catalog No.	CRB600A-AF CRB600B-AF CRB600C-AF CRB600D-AF	Quantity:	2 µg 10 µg 1.0 mg 100 µg
Alternate Names:	BDNF, Abrineurin, ANON2, BULN2		
Description:	<p>Brain Derived Neurotrophic Factor, or BDNF, is a nerve growth factor that supports neuron growth and survival. BDNF shares identical domains with two other neurotrophic factors known as, β-NGF and NT-3 (neurotrophin-3). BDNF binds with low affinity to a receptor known as LNGFR, which also binds NGF and NT-3, but mediates survival function by signaling through a high affinity receptor known as gp145/TrkB. Human, mouse, rat and pig BDNF are all cross-reactive.</p> <p>Recombinant human BDNF is a non-glycosylated homodimer, containing two 120 amino acid chains.</p>		
Gene ID:	627		
UniProtKB:	P23560		
Source:	<i>E. coli</i>		
Molecular Weight:	Homodimer (non-covalent), 13.6/27.3 kDa (120/240 aa)		
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		
Biological Activity:	As determined by the dose dependent proliferation of C6 cells, ED50 is 1.7 µg/mL..		
Specific Activity:	5.9 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 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 complete reconstitution.		
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 containing 0.1% BSA and store at -80 °C. Avoid repeated freeze-thaw cycles.		

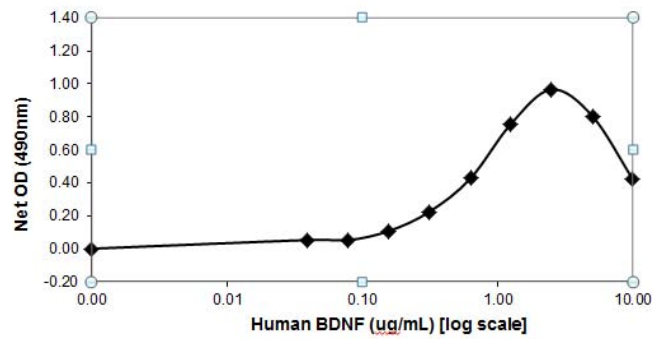
Human BDNF Induced Proliferation of C6 Cells



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



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



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com