Active Recombinant Human BDNF Protein

Cat. No. BDNF-007H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human BDNF protein consists of 119 amino acids (129-247) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	129-247 a.a.
Description	This gene encodes a member of the nerve growth factor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. Binding of this protein to its cognate receptor promotes neuronal survival in the adult brain. Expression of this gene is reduced in Alzheimer's, Parkinson's, and Huntington's disease patients. This gene may play a role in the regulation of the stress response and in the biology of mood disorders.
Bio-activity	ED50 = 1 - 3 μg/mL as measured by the ability of the protein to induce the proliferation of C6 glioma cells.
Molecular Mass	27 kDa
Product-Related Proteins	129-247

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	BDNF brain derived neurotrophic factor [Homo sapiens (human)]
Official Symbol	BDNF
Synonyms	BDNF; brain derived neurotrophic factor; ANON2; BULN2; brain-derived neurotrophic factor; Names; abrineurin; neurotrophin
Gene ID	627
mRNA Refseq	NM_170735
Protein Refseq	NP_733931
MIM	113505
UniProt ID	P23560

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA