

Brain-derived neurotrophic factor (Bdnf) Recombinant Protein | Bdnf recombinant protein

Recombinant Rat Brain-derived neurotrophic factor (Bdnf), partial

CATALOG #
AAA116197

HOST
E Coli

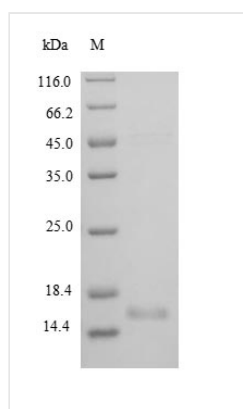
PRODUCT SYNONYMS

Brain-derived neurotrophic factor (Bdnf); Recombinant Rat Brain-derived neurotrophic factor (Bdnf); partial; Bdnf recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	136-243. Partial
Sequence	RRGELSVCDSEWVTAADK KTAVDMSGGT VTVLEKVPVS KGQLKQYFYE TKCNPMGYTK EGCRGIDKRH WNSQCRTTQS YVRALTMSDK KRIGWRFIRI DTSCVCTL
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Bdnf recombinant protein

During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS.

References	Human and rat brain-derived neurotrophic factor and neurotrophin-3 gene structures, distributions, and chromosomal localizations.Maisonpierre P.C., le Beau M.M., Espinosa R. III, Ip N.Y., Belluscio L., de la Monte S.M., Squinto S., Furth M.E., Yancopoulos G.D.Genomics 10:558-568(1991) A rat brain-derived neurotrophic factor-encoding gene generates multiple transcripts through alternative use of 5' exons and polyadenylation sites.Ohara O., Gahara Y., Teraoka H., Kitamura T.Gene 121:383-386(1992) Neurotrophic factors, their receptors, and the signal transduction pathways they activate.Yancopoulos G.D., Maisonpierre P.C., Ip N.Y., Aldrich T.H., Belluscio L., Boulton T.G., Cobb M.H., Squinto S.P., Furth M.E.Cold Spring Harb. Symp. Quant. Biol. 55:371-379(1990) Rodent BDNF genes, novel promoters, novel splice variants, and regulation by cocaine.Liu Q.-R., Lu L., Zhu X.-G., Gong J.-P., Shaham Y., Uhl G.R.Brain Res. 1067:1-12(2006) Mouse and rat BDNF gene structure and expression revisited.Aid T., Kazantseva A., Piirsoo M., Palm K., Timmusk T.J. Neurosci. Res. 85:525-535(2007) Reconstituting BDNF gene to bone marrow mesenchymal stem cells serving as portals in the therapy of Parkinson's disease.Zhao L.X., Zhang J., Wang D.M., Yu X.J., Yue W., Pei X.T., Xu X.H. Multiple promoters direct tissue-specific expression of the rat BDNF gene.Timmusk T., Palm K., Metsis M., Reintam T., Palme V., Saarma M., Persson H.Neuron 10:475-489(1993) Evolutionary studies of the nerve growth factor family reveal a novel member abundantly expressed in Xenopus ovary.Hallboeoeck F., Ibanez C.F., Persson H.Neuron 6:845-858(1991)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	397174764
NCBI GeneID	24225
NCBI Accession #	NP_001257559.1
NCBI GenBank Nucleotide #	NM_001270630.1
UniProt Accession #	P23363; Q53YL8
Molecular Weight	16.3 kDa
NCBI Official Full Name	brain-derived neurotrophic factor isoform 1
NCBI Official Synonym Full Names	brain-derived neurotrophic factor
NCBI Official Symbol	Bdnf
NCBI Protein Information	brain-derived neurotrophic factor
UniProt Protein Name	Brain-derived neurotrophic factor
UniProt Gene Name	Bdnf
UniProt Synonym Gene Names	BDNF
UniProt Entry Name	BDNF_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.