

Recombinant Human BDNF, GST-tagged

Cat. No. BDNF-10202H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human BDNF protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 21-247a.a.

Description The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimers and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name BDNF brain-derived neurotrophic factor [Homo sapiens]

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Official Symbol	BDNF
Synonyms	BDNF; brain-derived neurotrophic factor; neurotrophin; abrineurin; MGC34632;
Gene ID	627
mRNA Refseq	NM_001143805
Protein Refseq	NP_001137277
MIM	113505
UniProt ID	P23560
Chromosome Location	11p14.1
Pathway	Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	growth factor activity;

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