

Recombinant Human BDNF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BDNF-3171H Lot. No. (See product label)

SPECIFICATION

Product Overview

BDNF MS Standard C13 and N15-labeled recombinant protein (NP_733930) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

25.7 kDa

AA Sequence

MQSREEEFHFQVRRVMTILFLTMVISYFGCMKAAPMKEANIRGQGGLAYPGVIRTH
 GTLESVNGPKAGSRGLTSLADTFEHVIEELLEDQKVRPNEENNKDADLYTSRVMLS
 SQVPLEPPLFLLEEYKNYLDAANMSMRVRRHSDPARRGELSVCDSEWVTAADK
 KTAVDMSGGTVTVLEKVPVSKGQLKQYFYETKCNPMGYTKEGCRGIDKRHWNSQC
 RTTQSYVRALTMDSKKRIGWRFIRIDTSCVCTLTIKRGRTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

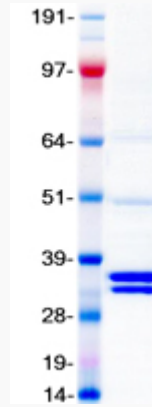
Gene Name	BDNF brain-derived neurotrophic factor [Homo sapiens (human)]
Official Symbol	BDNF
Synonyms	BDNF; brain-derived neurotrophic factor; neurotrophin; abrineurin; MGC34632;
Gene ID	627
mRNA Refseq	NM_170734
Protein Refseq	NP_733930
MIM	113505
UniProt ID	P23560

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SDS-PAGE



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