

## Product datasheet for PH317124

### BDNF (NM\_170734) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BDNF MS Standard C13 and N15-labeled recombinant protein (NP_733930)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217124
Predicted MW:	25.7 kDa
Protein Sequence:	>RC217124 representing NM_170734 Red=Cloning site Green=Tags(s)  MQSREEEFHQVRRVMTILFLTMVISYFGCMKAAPMKEANIRGQGGLAYPGVVRTHGTLESVNGPKAGSRG LTSLADTFEHVIEELLDEDQKVRPNEENNKDADLYTSRVMSSQVPLEPPLLFLLEEYKNYLDAANMSMR VRRHSDPARRGELSVCDSEWVTAADKKTAVDMSSGTVTVLEKVPVSKGQLKQYFYETKCNPMGYTKEG CRGIDKRHWNSQCRTTQSYVRAL TMSKKRIGWRFIRIDTSCVCTLTIKRGR  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_733930</a>
RefSeq Size:	3958
RefSeq ORF:	786
Synonyms:	ANON2; BULN2
Locus ID:	627
UniProt ID:	<a href="#">P23560</a>



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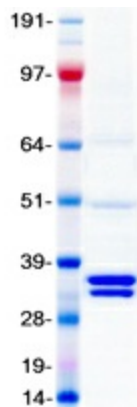
**Cytogenetics:** 11p14.1

**Summary:** 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. [provided by RefSeq, Nov 2015]

**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Transmembrane

**Protein Pathways:** Huntington's disease, MAPK signaling pathway, Neurotrophin signaling pathway

### Product images:



Coomassie blue staining of purified BDNF protein (Cat# [TP317124]). The protein was produced from HEK293T cells transfected with BDNF cDNA clone (Cat# [RC217124]) using MegaTran 2.0 (Cat# [TT210002]).