

## Product datasheet for **TP526614**

### **Bdnf (NM\_007540) Mouse Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse brain derived neurotrophic factor (Bdnf), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  
**Species:** Mouse  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >MR226614 representing NM\_007540  
**Red**=Cloning site **Green**=Tags(s)

MFHQVRRVMTILFLTMVISYFGCMKAAPMKEVNVHGQGNLAYPGVRTHGTLESVNGPRAGSRGLTTTSLA  
DTFEHVIEELLDEDQKVRPNEENHKDADLYTSRVMMLSSQVPLEPPLLFLLEEYKNYLDAANMSMRVRRHS  
DPARRGELSVCDSEWVTAADKKTAVDMSSGGTVTVLEKVPVSKGQLKQFYETKCNPMGYTKEGCRGID  
KRHWNSQCRTTQSYVRALTMDSKKRIGWRFIRIDTSCVCTLTIKRGR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK  
**Predicted MW:** 29.6 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C after receiving vials.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_031566](#)  
**Locus ID:** 12064  
**UniProt ID:** [Q541P3](#)  
**RefSeq Size:** 4302



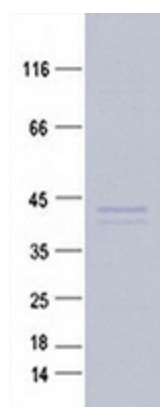
[View online »](#)

Cytogenetics: 2 56.63 cM

RefSeq ORF: 771

**Summary:** The protein encoded by this gene is a member of the nerve growth factor family. It is involved in the growth, differentiation and survival of specific types of developing neurons both in the central nervous system (CNS) and the peripheral nervous system. It is also involved in regulating synaptic plasticity in the CNS. Expression of a similar gene in human is reduced in both Alzheimer's and Huntington disease patients. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Oct 2015]

### Product images:



Purified recombinant protein Bdnf was analyzed by SDS-PAGE gel and Coomassie Blue Staining.