

Product datasheet for AR51820PU-S

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BDNF (129-247, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: BDNF (129-247, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MHSDPARRGE LSVCDSISEW VTAADKKTAV DMSGGTVTVL

EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG

WRFIRIDTSC VCTLTIKRGR

Tag: His-tag

Predicted MW: 15.8 kDa

Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Preparation: Liquid purified protein

Protein Description: Recombinant human BDNF protein, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: <u>NP 001137277</u>

Locus ID: 627

UniProt ID: <u>P23560</u>, <u>A0A0E3SU01</u>

Cytogenetics: 11p14.1

Synonyms: ANON2; BULN2





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

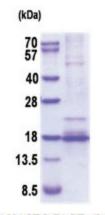
by RefSeq, Nov 2015]

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:



15% SDS-PAGE (3ug)