

Datasheet for ABIN7505610
BDNF Protein (AA 1-247) (His tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BDNF
Protein Characteristics:	AA 1-247
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BDNF protein is labelled with His tag.

Product Details

Sequence:	Met1-Arg247
Characteristics:	A DNA sequence encoding the Human BDNF protein (P23560) (Met1-Arg247) was expressed with a C-His.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	<p>Abbreviation: BDNF</p> <p>Target Synonym: Abrineurin, ProBDNF</p> <p>Background: Important signaling molecule that activates signaling cascades downstream of NTRK2. During development, promotes the survival and differentiation of selected neuronal</p>

Target Details

populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation (LTP), long-term depression (LTD), certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability.

Molecular Weight: Calculated MW: 26 kDa
Observed MW: 26 kDa

UniProt: [P23560](#)

Pathways: [RTK Signaling](#), [Synaptic Membrane](#), [Feeding Behaviour](#), [Dicarboxylic Acid Transport](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months