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Datasheet for ABIN2017673 BDNF Protein (AA 129-247)

Overview

Quantity:	5 µg
Target:	BDNF
Protein Characteristics:	AA 129-247
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50<4 µg/mL, measured in a bioassay using C6 cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	BDNF, also known as brain-derived neurotrophic factor and abrineurin, is a neurotrophin belonging to the NGF-beta family. It is expressed highly in the brain, and moderately in the heart, lung, skeletal muscle and placenta. BDNF signals through its high affinity receptor gp145/trkB to exert neurotrophic properties. It has been shown to be involved in the survival and differentiation of both the central and peripheral nervous system. Specifically, BDNF

Target Details

	regulates synaptic transmission, axonal growth and path-finding, as well as dendritic growth and morphology. Synonyms: brain-derived neurotrophic factor, abrineurin
Molecular Weight:	12-14 kDa, observed by reducing SDS-PAGE.
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
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human BDNF remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, human BDNF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Expiry Date:	6 months