

Datasheet for ABIN7488780

BDNF Protein

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Overview

Quantity:	50 µg
Target:	BDNF
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Human BDNF / Abreineurin Protein, premium grade
Sequence:	His 129 - Arg 247
Characteristics:	Human BDNF, premium grade is expressed from human 293 cells (HEK293). It contains AA His 129 - Arg 247 (Accession # P23560-1).
Purity:	95 %
Endotoxin Level:	0.01 EU per µg
Grade:	Premium grade

Target Details

Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	Brain-derived neurotrophic factor (BDNF) along with nerve growth factor (NGF), neurotrophin-3 (NT-3), and neurotrophin-4/5 (NT-4/5) are members of the neurotrophin family of trophic factors. The neurotrophins play essential roles in the development, survival, and function of a

Target Details

	wide range of neurons in both the peripheral and central nervous systems. The neurotrophins interact with two cell surface receptors, the low affinity P75 receptor and the Trk family of high affinity tyrosine kinase receptors. NGF preferentially binds TrkA, BDNF and NT4/5 bind TrkB, and NT-3 binds TrkC (and TrkA to a lesser extent).
Molecular Weight:	13.5 kDa
Pathways:	RTK Signaling , Synaptic Membrane , Feeding Behaviour , Dicarboxylic Acid Transport , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Comment:	This protein carries no "tag". () The protein has a calculated MW of 13.5 kDa. The protein migrates as 15-17 kDa and 19 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C