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Datasheet for ABIN7504243 BDNF Protein (AA 129-247)

Overview

Quantity:	100 µg
Target:	BDNF
Protein Characteristics:	AA 129-247
Origin:	Human, Rat, Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human/Murine/Rat BDNF Protein
Sequence:	His129-Arg247
Characteristics:	Recombinant Human/Murine/Rat BDNF Protein is expressed from E.coli without tagIt contains His129-Arg247.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	The brain-derived neurotrophic factor (BDNF) is a secretory growth factor that promotes

Target Details

neuronal proliferation and survival, synaptic plasticity and long-term potentiation in the central nervous system. Brain-derived neurotrophic factor biosynthesis and secretion are chronotopically regulated processes at the cellular level, accounting for specific localizations and functions.

Molecular Weight: 13.51 kDa. The protein migrates to 15-19 kDa based on Tris-Bis PAGE result.

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

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months