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Datasheet for ABIN7455668

Pro BDNF Protein

Overview

Quantity:	50 µg
Target:	Pro BDNF (proBDNF)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Pro-Brain-Derived Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala19-Arg247 (R125A,R127A,R128A) is expressed.
Characteristics:	Extracellular Domain Protein
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	Pro BDNF (proBDNF)
Alternative Name:	pro-BDNF (proBDNF Products)
Background:	Brain-Derived Neurotrophic Factor, BDNF, AbrineurinThe precursor form of Brain-Derived Neurotrophic Factor (pro-BDNF) interacts preferentially with the pan-neurotrophin receptor p75 (p75NTR) and vps10p domain-containing receptor sortilin and induces neuronal apoptosis, whereas mature BDNF selectively binds with high affinity to the TrkB kinase receptor and promotes the survival, growth and differentiation of neurons. As proneurotrophins and mature neurotrophins elicit opposite biological effects, Pro-BDNF cleavage in the neuronal system is

Target Details

regulated in a specific and cell-context dependent manner. Pro-BDNF plays important role in negative regulation of neurotrophic actions in the brain.

Molecular Weight: 25.6 KDa

UniProt: [P23560](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: a 0.2 μ m filtered solution of PBS, pH 8.0.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months