Product Name: Recombinant Human pro-BDNF
Catalog #: PEH0146

Summary

Name	BDNF/Brain-derived neurotrophic factor (with pro peptide)
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P23560
Host	E.coli
Species	Human
Predicted Molecular Mass	25.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl,% Trehalose,10% Glycerol,200mM NaCl,1mM EDTA,0.05% Tween80,pH 7.8.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	0.00.0

SDS-PAGE image

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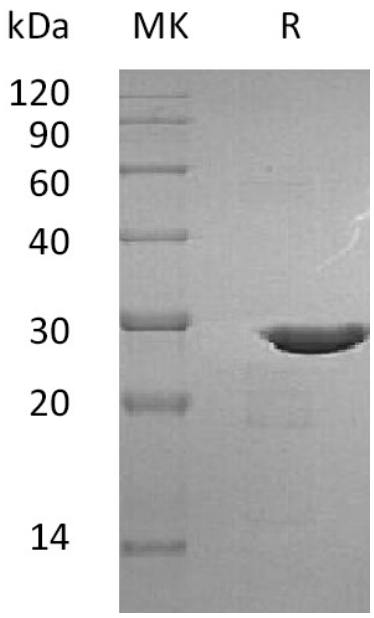

Alternative Names

Brain-Derived Neurotrophic Factor; BDNF; Abrineurin

Background

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

Note

For Research Use Only , Not for Diagnostic Use.