Human CDNF, His Tag, E. coli

Catalog Number	LDG133PHE
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression system
Escherichia coli

Affinity Tag
His Tag (C-term)

Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.

Purity
>98% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 19.26 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

Cerebral dopamine neurotrophic factor (CDNF) also known as ARMETL1, which is a member of ARMET family. CDNF is a 20.9 kDa neurotrophic factor containing 187 residues that widely expressed in various tissues, including embryonic and postnatal brain. Besides, CDNF shows the ability to protect the degeneration of dopaminergic neurons in Parkinson's disease, induced by 6-hydroxydopamine (6-OHDA). Moreover, as a neurotrophic factor, CDNF also can repair the dopaminergic function of dopaminergic neurons.

Synonyms

Cerebral dopamine neurotrophic factor, CDNF, ARMET-like protein 1

Uniprot ID

#Q49AH0

Sequence Note

Gln27-Leu187

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

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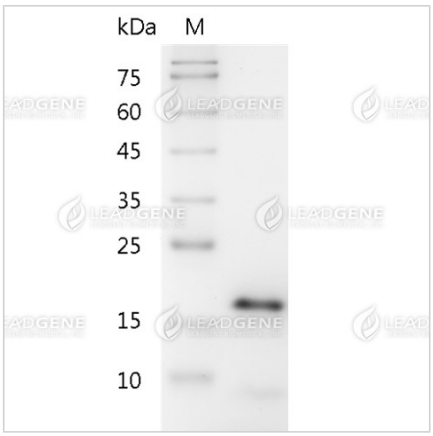
Image



SDS-PAGE analysis of
recombinant human CDNF.

Disclaimer : For Research Use or Further Manufacturing Only.

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