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Mouse recombinant CDNF (Cerebral dopamine neurotrophic factor) protein, AF

Catalog Number: PROTQ8CC36-6

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Overview

Product Name	Mouse recombinant CDNF (Cerebral dopamine neurotrophic factor) protein, AF
Description	Cerebral Dopamine Neurotrophic Factor (CDNF) also known as ARMETL1, which is a member of ARMET family. Mouse CDNF shares 80% sequence identity with human CDNF. 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.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 19.47 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Activity

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Testing in process

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MQGLEAGVGPRADCEVCKEFLDRFYNSLLSRGIDFSADTIEKELLNFCSDAKGKENRLCYYLGATTDAATKILGEVTRPMSVHIPAVKICEKLKKMDSQIC ELKYGKKLDLASVDLWKMRVAELKQILQRWGEECRACAEKSDYVNLIRELAPKYVEIYPQTELwith polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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Usage

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