

Recombinant Mouse Cdnf Protein (Gln25-Leu187), C-His tagged, Animal-free, Carrier-free

Cat. No. Cdnf-108M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdnf Protein (Gln25-Leu187) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Gln25-Leu187
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.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 19.47 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O 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 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Cdnf cerebral dopamine neurotrophic factor [Mus musculus (house mouse)]
Official Symbol	Cdnf
Synonyms	CDNF; cerebral dopamine neurotrophic factor; ARMET-like protein 1; conserved dopamine neurotrophic factor; arginine-rich, mutated in early stage tumors-like 1; Armetl1; 9330140G23; MGC129430;
Gene ID	227526
mRNA Refseq	NM_177647
Protein Refseq	NP_808315

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UniProt ID

Q8CC36

**SDS-PAGE analysis
of recombinant
mouse CDNF.**

kDa M

75

60

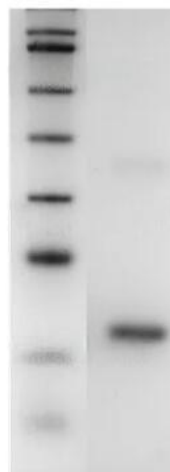
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35

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