

CHAMOT

**重组人脑多巴胺神经营养因子 /Recombinant CDNF,
Human, Animal-Free**

CM136-5HP

CM136-20HP

CM136-100HP

CM136-500HP

CM136-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人脑多巴胺神经营养因子 /Recombinant CDNF, Human, Animal-Free

产品编号	CM136-5HP	CM136-20HP	CM136-100HP	CM136-500HP	CM136-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

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.

别称

cerebral dopamine neurotrophic factor, ARMETL1

蛋白编码

Q49AH0

分子量

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

表达系统

Escherichia coli

纯度

>98% as determined by SDS-PAGE.

生物活性

Testing in process

内毒素检测

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

蛋白序列

MQEAGGRPGADCEVCKEFLNRFYKSLIDRGVNFSLDTIEKELISFCLDTKGKENRLCYLGGATKD
AATKILSEVTRPMSVHMPAMKICEKLLKLDLQICELKYEKTLASVDLRKMRVAELKQILHSW
GEECRACAEKTDYVNLIQELAPKYAATHPKTEL with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

产品应用

Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/mL.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



For Research Use or Further Manufacturing Only

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