

CHAMOT

**重组人胶质源性神经营养因子 /Recombinant GDNF,
Human, Animal-Free**

CM138-5HP

CM138-20HP

CM138-100HP

CM138-500HP

CM138-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人胶质源性神经营养因子 /Recombinant GDNF, Human, Animal-Free

产品编号	CM138-5HP	CM138-20HP	CM138-100HP	CM138-500HP	CM138-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Glial cell line-derived neurotrophic factor (GDNF) is the neurotrophic factor, belonging to the GDNF family of ligands (GFL) and identifying as a therapeutic candidate in Parkinson's disease. GDNF is a 23.7 kDa protein containing 211 residues that plays a critical role in promoting the survival and differentiation of midbrain dopamine neurons. Besides, GDNF is revealed to facilitate the development of peripheral tissues such as kidney, pancreas and lung. Additionally, as a member of GFL, GDNF also takes part in the progression of tumor.

别称

glial-derived neurotrophic factor, ATF, ATF1, ATF2, HFB1-GDNF, HSCR3

蛋白编码

P39905

分子量

The protein has a calculated MW of 16.01 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Measure by its ability to induce proliferation in SH-SY5Y cells. The ED₅₀ for this effect is <10 ng/mL.

内毒素检测

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

蛋白序列

MSPDKQMAVLPRRERNRQAAAANPENSRGKGRRGQRGKNRGCVLTAIHLNVTDLGLGYETK EELIFRYCSGSCDAAETTYDKILKLNLSRNRRLVSDKVGQACCRPIAFDDDLSDNLDNLVYHILRK HSAKRRCGI with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5. 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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