

# CHAMOT

**重组小鼠胶质源性神经营养因子 /Recombinant  
GDNF, Mouse, Animal-Free**

**CM083-5MP**

**CM083-20MP**

**CM083-100MP**

**CM083-500MP**

**CM083-1000MP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠胶质源性神经营养因子 /Recombinant GDNF, Mouse, Animal-Free

产品编号	CM083-5MP	CM083-20MP	CM083-100MP	CM083-500MP	CM083-1000MP
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, A1385739, ATF

#### 蛋白编码

P48540

#### 分子量

The protein has a calculated MW of 15.91 kDa. The protein migrates about 17 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

MSPDKQAAALPRRERNRQAAAASPENSRGKGRRGQRGKNRGCVLTAIHLNVTDLGLGYETK  
EELIFRYCSGSCESAETMYDKILKNLSRSRRLTSDKVGQACCRPVAFDDDLNFLVYHILRK  
HSAKRCGCI 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 7.4. 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 H<sub>2</sub>O 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

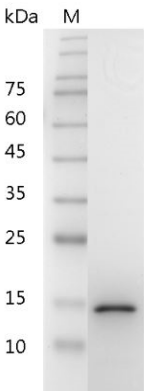
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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