

# CHAMOT

**重组人神经营养因子 /Recombinant Neurturin,  
Human, Animal-Free**

**CM140-5HP**

**CM140-20HP**

**CM140-100HP**

**CM140-500HP**

**CM140-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*

# CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

## 重组人神经营养因子 /Recombinant Neurturin, Human, Animal-Free

|      |           |            |             |             |              |
|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM140-5HP | CM140-20HP | CM140-100HP | CM140-500HP | CM140-1000HP |
| 规格   | 5 µg      | 20 µg      | 100 µg      | 500 µg      | 1 mg         |

### 产品简介

|       |   |
|-------|---|
| 背景描述  | Human Neurturin is a 22 kDa cytokine with 197 amino acid residues. Neurturin belongs to the same TGF-beta (transforming Growth Factors β) family. When Neurturin binds to GFRα-2 (GPI-linked receptor termed GDNF family receptor α-2), this complex activates Ret receptor tyrosine kinase and its downstream signaling pathway. |
| 别称    | NTN, NRTN   |
| 蛋白编码  | Q99748  |
| 分子量   | The protein has a calculated MW of 12.62 kDa. The protein migrates as 13 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  | Measure by its ability to induce proliferation in SH-SY5Y cells. The ED <sub>50</sub> for this effect is <50 ng/mL.   |
| 内毒素检测 | <0.1 EU per 1 µg of the protein by the LAL method.  |
| 蛋白序列  | MARLGARPCGLRELEVRVSELGLGYASDETVLFRYCAGACEAAARVYDLGLRRLRQRRRLRRER VRAQPCCRPTAYEDEVSFLDAHSRYHTVHEL SARECACV 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

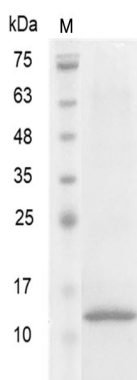
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



SDS-PAGE analysis of recombinant human Neurturin

For Research Use or Further Manufacturing Only

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