

# 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

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## 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 $\beta$ ) family. When Neurturin binds to GFR $\alpha$ -2 (GPI-linked receptor termed GDNF family receptor $\alpha$ -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	MARLGARPCGLRELEVRLVSELGLGYASDETVLFRYCAGACEAAARVYDLGLRRLRQRRRLRERVRAQPCCRPTAYEDEVSFLDAHSRYHTVHELSARECACV 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 ( $\geq 20 \mu\text{l}$ ).
- 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

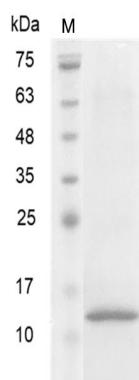
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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