

# CHAMOT

## 重组人CD28 /Recombinant CD28 ECD, Human

CM184-5HP

CM184-20HP

CM184-100HP

CM184-500HP

CM184-1000HP



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CD28 /Recombinant CD28 ECD, Human

产品编号	CM184-5HP	CM184-20HP	CM184-100HP	CM184-500HP	CM184-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

CD28, a well-known costimulatory receptor expressed on T cells, is a type I transmembrane glycoprotein of the Ig superfamily. When the T cells receive the first signal delivered by APCs (antigen-presenting cells), it initiates signaling cascades, which favor T cell survival and proliferation. It has been demonstrated that patients with lung cancer who responded to PD-1 therapy had more CD28+ T cells, suggesting that CD28 may predict treatment response.

#### 别称

TP44

#### 蛋白编码

P10747

#### 分子量

The protein has a calculated MW of 28.61 kDa. The protein migrates as 48-62 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

HEK293

#### 纯度

>95% as determined by SDS-PAGE.

#### 生物活性

Testing in process

#### 内毒素检测

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

#### 蛋白序列

A DNA sequence encoding Human CD28 ECD (# P10747) (Asn19 – Pro152) was expressed with polyhistidine-SUMO tag at the N-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

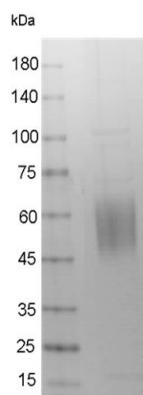
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 CD28 ECD

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491