

# CHAMOT

**重组小鼠TNF相关的凋亡诱导配体 /Recombinant  
TRAIL, Mouse, Animal-Free**

**CM046-5MP**

**CM046-20MP**

**CM046-100MP**

**CM046-500MP**

**CM046-1000MP**



**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

## 重组小鼠TNF相关的凋亡诱导配体 /Recombinant TRAIL, Mouse, Animal-Free

产品编号	CM046-5MP	CM046-20MP	CM046-100MP	CM046-500MP	CM046-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Tumor Necrosis Factor associated Apoptosis Inducing Ligand (TRAIL) is a type II membrane protein of the tumor necrosis factor (TNF) family members, moreover expressed in many adult tissues including the thymus, prostate, colon, ovary and lung. TRAIL is a 19 kDa protein containing 281 residues. Mouse TRAIL shares 70% amino acids sequence identity with human, bovine, and porcine. TRAIL to induce apoptosis in human breast carcinoma cells (MCF7) and human epithelioid carcinoma (HeLa) cell lines, by activate two death receptors of DR4 and DR5 or two decoy receptors DcR1 and DcR2.

#### 别称

TNF-related apoptosis-inducing ligand, TNFSF10, Apo2 Ligand, TL2, Apo2L, CD253

#### 蛋白编码

P50592

#### 分子量

The protein has a calculated MW of 21.00 kDa. The protein migrates as 17-25 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 cytotoxicity in L929 cells in the presence of actinomycin D. The ED<sub>50</sub> for this effect is <1 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MPRGGRPQKVAAHITGITRRSNSALIPISKDGKTLGQKIESWESSRKGHSFLNHVLFNRNGELVIE  
QEGLYIYSQTYFRFQEAEDASKMVSKDKVRTKQLVQYIYKYTSYPDPIVLMKSARNSCWSRD  
AEYGLYSIQGGLFELKKNDRI FVSVTNEHLMDLDQEASFFGAFLIN 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

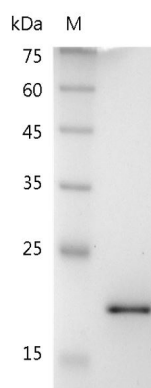
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 mouse TRAIL

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