

# CHAMOT

**重组小鼠TNF相关的凋亡弱诱导剂 /Recombinant  
TWEAK, Mouse, Animal-Free**

CM047-5MP

CM047-20MP

CM047-100MP

CM047-500MP

CM047-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠TNF相关的凋亡弱诱导剂 /Recombinant TWEAK, Mouse, Animal-Free

产品编号	CM047-5MP	CM047-20MP	CM047-100MP	CM047-500MP	CM047-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

TNF-related Weak Inducer of Apoptosis (TWEAK) is a type II membrane protein of the tumor necrosis factor (TNF) family members, high levels expression in mouse peritoneal macrophages. The murine and human TWEAK homologs are very close related (~93% sequence identity in the receptor-binding domain). TWEAK is a 17.3 kDa protein containing 129 residues. TWEAK induce apoptosis through cognate receptor Fn14 activate caspase-8 and caspase-3, in HSC3 cells KATO-III gastric adenocarcinoma cells and IFN-γ-treated HT-29. TWEAK stimulate inflammatory cytokines in HT-29, A375 cells, WI-38 fibroblast and astrocytes.

#### 别称

TNF-related weak inducer of apoptosis, TNFSF12, DR3LG, Apo3 Ligand, AI255180, C87282, Fn1, Fn14, HPIP, TWEAK-R, Twea, TweakR, Tnfrsf12a

#### 蛋白编码

O54907

#### 分子量

The protein has a calculated MW of 18.14 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 proliferation in HUVEC cells. The ED<sub>50</sub> for this effect is <0.2 µg/mL.

#### 内毒素检测

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

#### 蛋白序列

MSAPKGRKARPRRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEETKINSSSPLRYDRQIGFT VIRAGLYLYLCQVHFDEGKAVYLLKDLLVNGVLALRCLLEFSATAASSPGPQLRLCQVSGLLPLR PGSSLRIRTLTPWAHLKAAPFLTYGLFQVH 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

### 储存

**Lyophilized Protein:** Store at -20°C for 1 year.

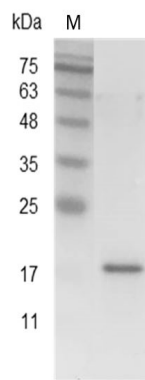
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 TWEAK

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