

CHAMOT

**重组人TNF相关的凋亡弱诱导剂 /Recombinant
TWEAK, Human, Animal-Free**

CM062-5HP

CM062-20HP

CM062-100HP

CM062-500HP

CM062-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人TNF相关的凋亡弱诱导剂 /Recombinant TWEAK, Human, Animal-Free

产品编号	CM062-5HP	CM062-20HP	CM062-100HP	CM062-500HP	CM062-1000HP
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 human brain, muscle, heart, spleen, and thymus. 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

蛋白编码

O43508

分子量

The protein has a calculated MW of 17.88 kDa. The protein migrates as 18 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 ED₅₀ for this effect is <6 ng/mL.

内毒素检测

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

蛋白序列

MKGRKTRARRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEEARINSSSPLRYNRQIGEFIVTR
AGLYYLYCQVHFDEGKAVYKLDLLVDGVLALRCLLEFSATAASSLGPQLRLCQVSGLLALRPGS
SLRIRTLPWHLKAAPFLTYFGLFQVH 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 8.0. 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 H₂O 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

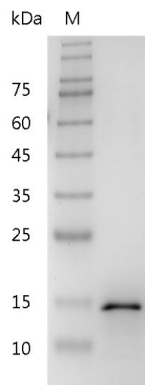
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

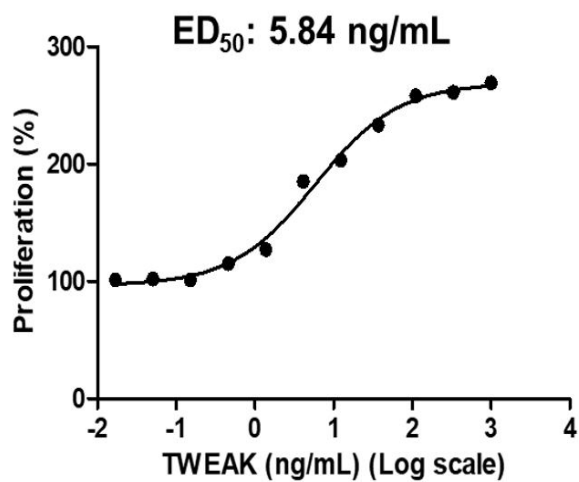
Blue Ice

实验数据展示



SDS-PAGE analysis of recombinant human

TWEAK



Human TWEAK, His Tag, E. coli induced HUVEC cell proliferation,

with the ED_{50} at 5.84 ng/mL.

For Research Use or Further Manufacturing Only

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