

# CHAMOT

**重组小鼠fms相关酪氨酸激酶-3配体 /Recombinant Flt-3 Ligand, Mouse, Animal-Free**

CM056-5MP

CM056-20MP

CM056-100MP

CM056-500MP

CM056-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组小鼠fms相关酪氨酸激酶-3配体 /Recombinant Flt-3 Ligand, Mouse, Animal-Free

产品编号	CM056-5MP	CM056-20MP	CM056-100MP	CM056-500MP	CM056-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Fms-related tyrosine kinase-3 ligand (Flt-3 Ligand) is a protein which is encoded by the Flt3lg gene in mouse. As an important regulator of hematopoiesis, Flt-3 ligand has a tyrosine-protein kinase activity that stimulate the proliferation of hematopoietic progenitor cells of both lymphoid and myeloid origin. Flt-3 ligand can synergistically increase the proliferation of immature progenitors with other cytokines such as GM-CSF, G-CSF, IL-3, EPO, IL-11, IL-12, IL-6 or TPO. Flt-3 ligand is expressed by a variety of hematopoietic progenitor cells including immature hematopoietic and marrow stromal cells.

#### 别称

Fms-related tyrosine kinase-3 ligand, Fetal liver kinase 2, FLK-2

#### 蛋白编码

P49772

#### 分子量

The protein has a calculated MW of 19.3 kDa. The protein migrates as 19 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 BaF3 cells transfected with mouse Flt-3. The ED<sub>50</sub> for this effect is <2 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MGTPDCYFSHSPISSNFKVKFRELTDHLLKDYPVTVAVNLQDEKHCKALWSLFLAQRWIEQLK TVAGSKMQTLLEDVNTEIHVFTSCTFQPLPECLRFVQTNISHLLKDTCTQLLALKPCIGKACQNF SRCLEVQCQPDSSTLLPPRSPIALEATELPEPRPR 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 (≥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

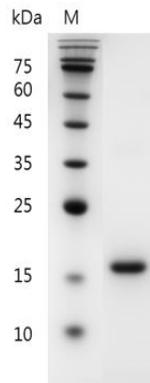
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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