

CHAMOT

**重组人Fms相关酪氨酸激酶-3配体 /Recombinant Flt-3
Ligand, Human, Animal-Free**

CM086-5HP

CM086-20HP

CM086-100HP

CM086-500HP

CM086-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人Fms相关酪氨酸激酶-3配体 /Recombinant Flt-3 Ligand, Human, Animal-Free

产品编号	CM086-5HP	CM086-20HP	CM086-100HP	CM086-500HP	CM086-1000HP
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 human. 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

别称

fms-related tyrosine kinase-3 ligand, FL, FLG3L, FLT3L

蛋白编码

P49771

分子量

The protein has a calculated MW of 18.6 kDa. The protein migrates as 15-19 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% 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 ED₅₀ for this effect is <0.8 ng/mL. The specific activity of recombinant human Flt-3 Ligand is > 1 x 10⁶ IU/mg.

内毒素检测

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

蛋白序列

MTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLKT VAGSKMQGLLERVNTIEHFVTKCAFQPPPSCLRQVQTNISRLLQETSEQLVALKPWITRQNFSCRLELQCQPDSSTLPPPWSRPLEATAPTA 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

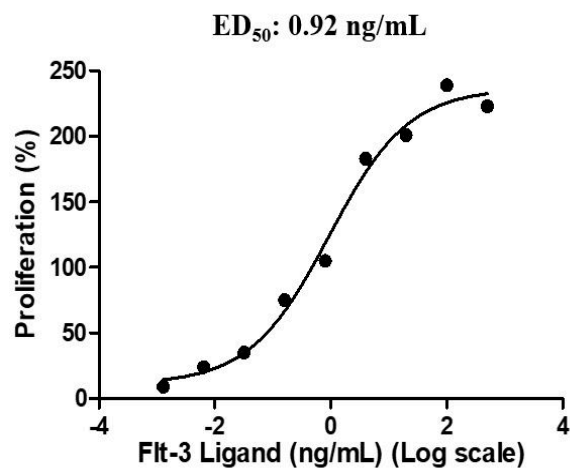
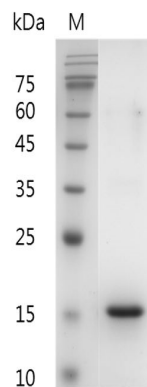
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 Flt-3

Human Flt-3 Ligand, His Tag, E. coli induced proliferation in BaF3

Ligand

cells transfected with mouse Flt-3.

For Research Use or Further Manufacturing Only

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