# **CHAMOT**

重组人肿瘤坏死因子超家族成员14 /Recombinant LIGHT, Human, Animal-Free

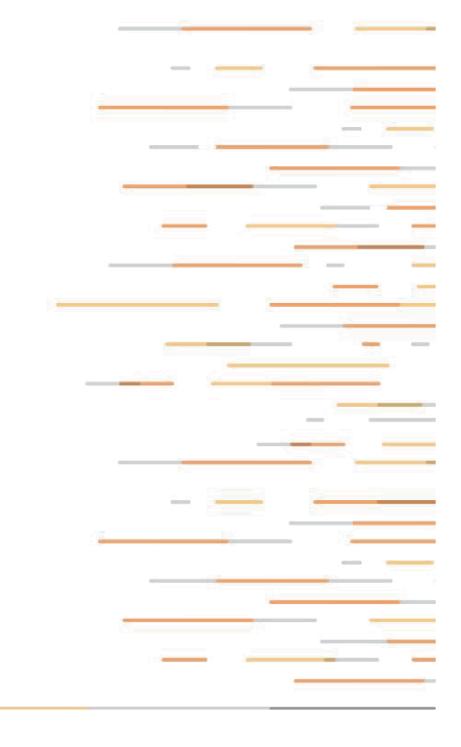
CM057-5HP

CM057-20HP

CM057-100HP

CM057-500HP

CM057-1000HP





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# **Product Datasheet**

# 重组人肿瘤坏死因子超家族成员14 /Recombinant LIGHT, Human, Animal-Free

产品编号	CM057-5HP	CM057-20HP	CM057-100HP	CM057-500HP	CM057-1000HP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

## 产品简介

产品应用

Cell Culture

背景描述	LIGHT, also known as TNFSF14 is a member of the TNF superfamily that produced by multiple immune cells such as activated T cells and immature dendritic cells (DCs). LIGHT is a 29 kDa type II transmembrane protein, which serves as a ligand for both lymphotoxin $\beta$ receptor (LT $\beta$ R) and TNFSF signaling receptors (TNFRSF14/HVEM). Besides, LIGHT can amplify NF-kB signaling pathway in T cells when presenting anti-CD3 antibody treatment. Additionally, LIGHT can stimulate T cell proliferation and IFN-expression via interacting with TNFRS13 /HVEM.
别称	TNFSF14, HVEM-L, CD258, LTg
蛋白编码	O43557.2
分子量	The protein has a calculated MW of 20.30 kDa. The protein migrates as 17 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 HT-29 cells in the presence of IFN-gamma. The ED $_{50}$ for this effect is < 10 ng/mL.
内毒素检测	$<$ 0.1 EU per 1 $\mu$ g of the protein by the LAL method.
蛋白序列	MRLGEMVTRLPDGPAGSWEQLIQERRSHEVNPAAHLTGANSSLTGSGGPLLWETQLGLAFLR GLSYHDGALVVTKAGYYYIYSKVQLGGVGCPLGLASTITHGLYKRTPRYPEELELLVSQQSPCGR ATSSSRVWWDSSFLGGVVHLEAGEKVVVRVLDERLVRLRDGTRSYFGAFMV with polyhistidine tag at the C-terminus.
产品形式	The protein was lyophilized from a 0.2 $\mu$ m filtered solution containing 1X PBS, pH 8.0. 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  $10~\mu g/ml$ .
- 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.

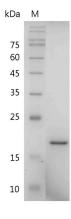
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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