

CHAMOT

Recombinant Human IL-36 alpha

CM040-5HP
CM040-20HP
CM040-100HP
CM040-500HP
CM040-1000HP



CHAMOT

喬默生物技術(上海)有限公司
CHAMOT BIOTECHNOLOGY CO., LTD.

CONTENT

1 产品简介

2 产品组成

3 产品储存

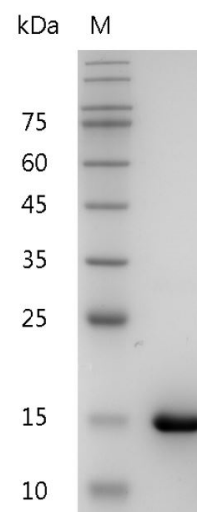
4 产品使用

Recombinant Human IL-36 alpha (Interleukin-36 alpha)

编号:	CM040-5HP CM040-20HP CM040-100HP CM040-500HP CM040-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: Interleukin-36α (IL-36 alpha) binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor IL1RAP. IL-36 seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T-cells to drive tissue infiltration, cell maturation and cell proliferation. In cultured keratinocytes induces the expression of macrophage, T-cell, and neutrophil chemokines, such as CCL3, CCL4, CCL5, CCL2, CCL17, CCL22, CCL20, CCL5, CCL2, CCL17, CCL22, CXCL8, CCL20 and CXCL1, and the production of proinflammatory cytokines such as TNF-alpha, IL-8 and IL-6. In cultured monocytes upregulates expression of IL-1A, IL-1B and IL-6. In myeloid dendritic cells involved in cell maturation by upregulating surface expression of CD83, CD86 and HLA-DR. In monocyte-derived dendritic cells facilitates dendritic cell maturation and drives T-cell proliferation. IL-36 may also play a role in proinflammatory effects in the lung.



SDS- PAGE analysis of recombinant human IL-36 alpha

来源: *Escherichia coli*

纯度: >98% as determined by SDS-PAGE.
Ni-NTA chromatography

生物学活性: Measure by its ability to induce IL-8 secretion in human PBMCs. The ED₅₀ for this effect is < 0.7 ng/mL.

内毒素检测: < 0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列: MKIDTPQQGSIQDINHRVWVLQDQT
LIAVPRKDRMSPVTIALISCRHVETLEK
DRGNPIYLGLNGLNLCMLCAKVGDDQ
PTLQLKEKDIMDLYNQPEPVKSFLFYH
SQSGRNSTFESVAFPGWFIAVSSEGG
CPLILTQELGKANTTDFGLTMLF with
polyhistidine tag at the C-terminus

产品组成

成分: 从含有 1X PBS, pH 7.4 溶液中冻干的蛋白质.

产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液 (初始)	2°C至8°C	不超过1周
重悬液 (经稀释)	-20°C至-80°C	3到6个月

运输方式: 蓝冰

产品使用

- 1、开盖前, 建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉, 溶液浓度不低于100µg/mL, 不高于1mg/mL, 并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液, 2-8°C无菌保存不超过1周。
- 4、如需长期保存, 推荐使用无菌的含载体蛋白 (如0.1% BSA、10% FBS 或5% HSA) 的溶液进一步稀释 (不低于10µg/mL) 后分装保存, -20°C至-80°C无菌保存3到6个月。无血清实验需求时, 可更换为5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;

FACS= Fluorescence activated Cell Sorting; FA= Functional Assay