

CHAMOT

Recombinant Mouse IL-36 alpha

CM032-5MP
CM032-20MP
CM032-100MP
CM032-500MP
CM032-1000MP



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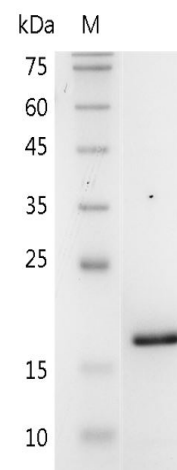
Recombinant Mouse IL-36 alpha (Interleukin-36 alpha)

编号:	CM032-5MP CM032-20MP CM032-100MP CM032-500MP CM032-1000MP	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-36 (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 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.

来源: *Escherichia coli*
纯度: >98% as determined by SDS-PAGE.
Ni-NTA chromatography.



SDS-PAGE analysis of recombinant mouse IL-36 alpha

生物学活性: Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is < 15 ng/mL. The specific activity of recombinant mouse IL-36 alpha is > 1 x 10⁵ IU/mg.

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

蛋白序列: MNKEKELRAASPSLRHVQDLSSRVWILQNNILTAVPR
 KEQTVPTITLLPCQYLDLTETNRGDPTYMGVQRPMS
 CLFCTKDGEQPVQLQGEGNIMEMYNKKEPVKASLFYH
 KKSGTTSTFESAAPGWFIACVCSKGSCLILTQELGEIFIT
 DFEMIVVH 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10ug/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