Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Mouse IL-36α/IL-36 alpha/IL-1F6 Protein

Catalog No.: RP00550 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	54448	Q9JLA2

Tags
No tag

Synonyms
Interleukin-36 alpha;Il36a;FIL1 epsilon;Interleukin-1 epsilon;IL-1 epsilon;nterleukin-1 familymember 6;IL-1F6;Interleukin-1 homolog 1;IL-1H1;Fil1e; Il1e; Il1f6; Il1h1

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

Interleukin-36 alpha(Il-36a) is a member of the IL-1 family.IL¬1α,IL¬1β and IL-18 are potent inflammatory cytokines whoseactivities are dependent on heterodimeric receptors of the IL-1R superfamily, and which are regulated by solubleantagonists. Il36a is a cytokine that 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. It is a part of the IL-36signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similarto the IL-1 system with which it shares the coreceptor IL1RAP. It Induces the production of proinflammatory cytokines, including IL-12, Il-1 beta, IL-6, TNF-alpha and IL-23 inbone marrow-derived dendritic cells (BMDCs). Moreover, it is involved in dendritic cell maturation by stimulating thesurface expression of CD80, CD86 and MHC class II and can induce the production of IFN-gamma, IL-4 and IL-17 by culturedCD4+ T cells and splenocytes. Il36a may play a role in proinflammatory effects in the lung: induces the expression of CXCL1and CXCL2 in the lung, and the expression of TNF-alpha, IL-36c, IL-1A, IL-1B, CXCL1 and CXCL2 in isolated splenic CD11c+alveolar macrophages. It may be involved in T cell maturation by stimulating the surface expression of CD40 and modestlyCD80 and CD86 in splenic CD11c+ cells and CD4+ T cell proliferation.

Basic Information

Description
Recombinant Mouse IL-36α/IL-36 alpha/IL-1F6 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Arg8-His160) of mouse IL-36α/IL-36 alpha/IL-1F6 (Accession #Q9JLA2) fused with an initial Met at the N-terminus.

Bio-Activity

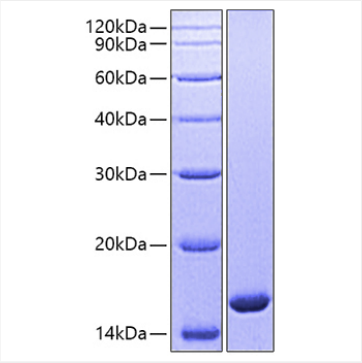
Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

* □□□□□□□□□□□□□□□□□□□□□□□□□□□□

Validation Data



Recombinant Mouse IL-36α/IL-36 alpha/IL-1F6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.