

Interleukin-36 alpha protein (Il36a) Active Protein | Il36a active protein

Recombinant Mouse Interleukin-36 alpha protein (Il36a) (Active)

CATALOG #
AAA114251

HOST
E Coli

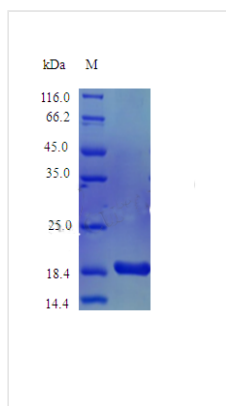
PRODUCT SYNONYMS

Interleukin-36 alpha protein (Il36a); Recombinant Mouse Interleukin-36 alpha protein (Il36a) (Active); FIL1 epsilon; IL-1 epsilon; Interleukin-1 family member 6; IL-1F6; Interleukin-1 homolog 1; Il36a active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized
Sequence Positions	1-160. Full Length
Sequence	MNKEKELRAA SPSLRHVQDL SSRVWILQNN ILTAVPRKEQ TVPVTITLLP CQYLDLTLETN RGDPTYMGVQ RPMSCLFCTK DGEQPVQLG EGNIMEMYNK KEPVKASLFY HKKSGTTSTF ESAAFPGWFI AVCSKGSCPL ILTQELGEIF ITDFEMIVVH
Species	Mus musculus (Mouse)
Biological Activity	Fully biologically active when compared to standard. The specific activity determined by its ability in a functional ELISA. Immobilized rMuIL-36alpha at 1 ug/mL can bind recombinant murine IL-1 Rrp2 with a range of 0.15-5 ug/mL.
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Protein Note	Protein will be provided with aseptic processing and endotoxin removal.
Preparation and Storage	Generally, the shelf life of liquid form is 6 months at -20/-80 degree C. The shelf life of lyophilized form is 12 months at -20/-80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL36a active protein	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. 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. 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. Induces the production of proinflammatory cytokines, including IL-12, IL-1 beta, IL-6, TNF-alpha and IL-23 in bone marrow-derived dendritic cells (BMDCs). Involved in dendritic cell maturation by stimulating the surface expression of CD80, CD86 and MHC class II. Induces the production of IFN-gamma, IL-4 and IL-17 by cultured CD4(+) T cells and splenocytes. May play a role in proinflammatory effects in the lung: induces the expression of CXCL1 and 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. May be involved in T cell maturation by stimulating the surface expression of CD40 and modestly CD80 and CD86 in splenic CD11c(+) cells. May be involved in CD4(+) T cell proliferation. Induces NF-kappa B activation in macrophages. {ECO:0000269 PubMed:21860022, ECO:0000269 PubMed:21965679, ECO:0000269 PubMed:23029241, ECO:0000269 PubMed:24829417}.
Product Categories/Family for IL36a active protein	Biological Active Protein; Immunology; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506601
NCBI GeneID	54448
NCBI Accession #	NP_062323.1
NCBI GenBank Nucleotide #	NM_019450.3
UniProt Accession #	Q9JLA2
Molecular Weight	18.0 kDa
NCBI Official Full Name	interleukin-36 alpha
NCBI Official Synonym Full Names	interleukin 1 family, member 6
NCBI Official Symbol	IL1f6
NCBI Official Synonym Symbols	Fil1; IL1f9; IL36a; IL-1H1; IL1RP2
NCBI Protein Information	interleukin-36 alpha
UniProt Protein Name	Interleukin-36 alpha
UniProt Gene Name	IL36a
UniProt Synonym Gene Names	Fil1e; IL1e; IL1f6; IL1h1; IL-1 epsilon; IL-1F6; IL-1H1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/interleukin-36-alpha-protein-il36a/114251>