

Active Recombinant Human IL36A Protein (Lys6-Phe158), C-His tagged, Animal-free, Carrier-free

Cat. No. IL36A-125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL36A Protein (Lys6-Phe158) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Lys6-Phe158
Description	Interleukin-36 alpha (IL-36α) is an 18 kDa cytokine with 154 amino acid residues. IL-36α is one of the IL-36 agonists secreted from keratinocytes. When IL-36α binds to the IL-36 receptor, it activates NF-κB and MAPK signaling pathways that induce inflammatory responses. In addition, it also stimulates the production of inflammatory cytokines, such as IFN-γ, TNF-α, and IL-6.
Form	Lyophilized
Bio-activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is < 0.7 ng/mL.
Molecular Mass	The protein has a calculated MW of 18.05 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1

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	EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL36A interleukin 36, alpha [Homo sapiens (human)]
Official Symbol	IL36A
Synonyms	IL36A; interleukin 36, alpha; IL1F6, interleukin 1 family, member 6 (epsilon); interleukin-36 alpha; FIL1; FIL1E; IL 1F6; IL1(EPSILON); MGC129552; MGC129553; FIL1 epsilon; IL-1 epsilon; interleukin-1 epsilon; IL-1F6 (FIL-1-epsilon); interleukin 1, epsilon; interleukin-1 family member 6; interleukin 1 family, member 6 (epsilon); IL1F6; IL-1F6; FIL1(EPSILON);
Gene ID	27179

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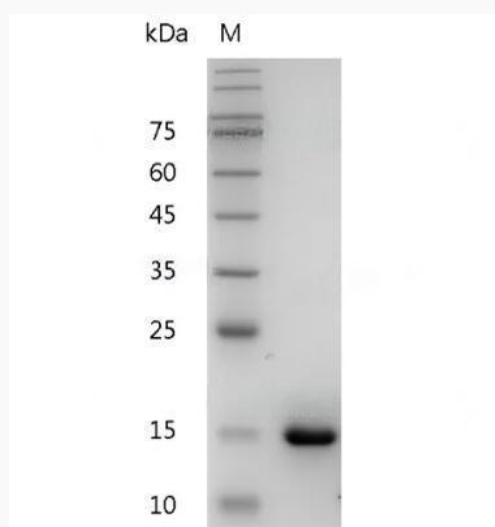
mRNA Refseq [NM_014440](#)

Protein Refseq [NP_055255](#)

MIM [605509](#)

UniProt ID [Q9UHA7](#)

**SDS-PAGE analysis
of recombinant
human IL-36 Alpha.**



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