

Active Recombinant Human IL36A protein

Cat. No. IL36A-507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL36A protein(Q9UHA7) (Lys6-Phe158) was expressed and purified in E. coli, with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	E. coli
ProteinLength	6-158 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, 300 mM NaCl, pH 8.0, 0.1 % Tween 80.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by inducing IL-8 secretion in human preadipocytes is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 17.1 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.
AASequence	KIDTPQQGSI QDINHRVWVL QDQTLIAVPR KDRMSPVTIA LISCRHVETL EKDRGNPIYL GLNGLNLCLM CAKVGDQPTL QLKEKDIMDL YNQPEPVKSF LFYHSQSGRN STFESVAFPG WFIASVSEGG CPLILTQELG KANTTDFGLT MLF
Endotoxin	Less than 1 EU/µg of rHuIL-36α, 153a.a. as determined by LAL method.

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Purity	> 95 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C.
GENE INFORMATION	
Gene Name	IL36A interleukin 36, alpha [Homo sapiens]
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
mRNA Refseq	NM_014440
Protein Refseq	NP_055255
MIM	605509

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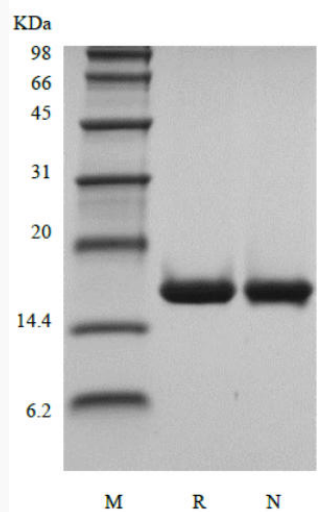
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UniProt ID

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SDS-PAGE

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