

Interleukin-36 alpha/IL-36 alpha Active Protein | IL-36alpha active protein

Recombinant Human Interleukin-36 alpha/IL-36 alpha

CATALOG #
AAA177939

HOST
E Coli

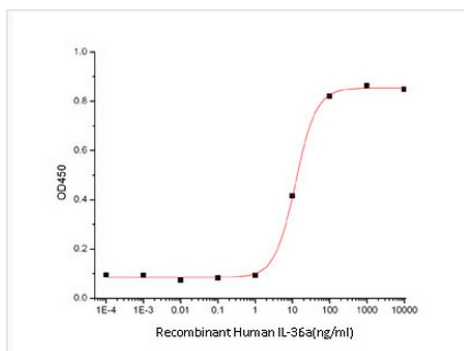
PRODUCT SYNONYMS

Interleukin-36 alpha/IL-36 alpha; Recombinant Human Interleukin-36 alpha/IL-36 alpha; Interleukin-36 Alpha; FIL1 Epsilon; Interleukin-1 Epsilon; IL-1 Epsilon; Interleukin-1 Family Member 6; IL-1F6; IL36A; FIL1E; IL1E; IL1F6; IL-36alpha active protein

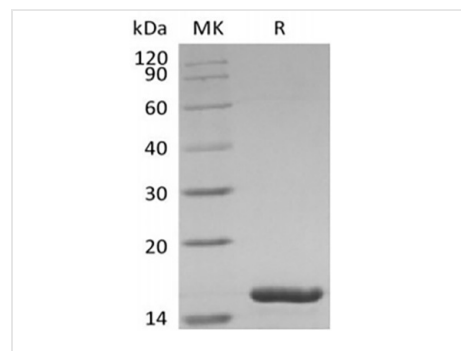
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of 50mM Tris-HCl, 150mM NaCl, 1 mM EDTA, 0.02% Tween 20, pH8.0.
Sequence	Lys6-Phe15 8
Species	Human
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human Interleukin-36 Alpha is produced by our E Coli expression system and the target gene encoding Lys6-Phe158 is expressed.
Activity	Measured in a cell proliferation assay using A-431 Human epithelial carcinoma cells. The ED50 for this effect is 12.0ng/ml.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL-36alpha active protein	Human Interleukin-36alpha (IL-36alpha) is a secreted cytokine that belongs to the Interleukin 1 cytokine family. IL-36alpha is expressed in the immune system and the fetal brain, but not in other tissues or multiple hematopoietic cell lines. IL-36alpha is the only IL-1 family member found to be expressed on T-cells. IL-36alpha and IL-1F8 are involved in the regulation of adipose tissue gene expression. Importantly, IL-36alpha inhibits PPARgamma expression, which may lead to a reduction in adipocyte differentiation suggesting metabolic effects of this cytokine. IL-36alpha, along with IL-1F8 and IL-1F9, has been shown to act as an agonist by activating the pathway involving NFkappaB and MAPK in an IL-1Rrp2 dependent manner. This suggest that IL-36alpha may signal in a similar fashion to IL-1 and IL-18 in having a binding receptor which upon ligation, recruits a second receptor as a signaling component, forming an active heterodimeric receptor complex.
Product Categories/Family for IL-36alpha active protein	immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657092
NCBI GeneID	27179
NCBI Accession #	NP_055255.1
NCBI GenBank Nucleotide #	NM_014440.1
UniProt Accession #	Q9UHA7; Q53SR7; Q5BLR4; Q7RTZ8; B2RAD9
Molecular Weight	17,684 Da
NCBI Official Full Name	interleukin-36 alpha
NCBI Official Synonym Full Names	interleukin 36, alpha
NCBI Official Symbol	IL36A
NCBI Official Synonym Symbols	FIL1; FIL1E; IL1F6; IL-1F6; IL1(EPSILON); FIL1(EPSILON)
NCBI Protein Information	interleukin-36 alpha; FIL1 epsilon; IL-1 epsilon; IL-1F6 (FIL-1-epsilon); interleukin 1 family, member 6 (epsilon); interleukin 1, epsilon; interleukin-1 epsilon; interleukin-1 family member 6
UniProt Protein Name	Interleukin-36 alpha
UniProt Gene Name	IL36A
UniProt Synonym Gene Names	FIL1E; IL1E; IL1F6; IL-1 epsilon; IL-1F6
UniProt Entry Name	IL36A_HUMAN

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-il-36alpha-active-protein/interleukin-36-alpha-il-36-alpha-177939>