

# Recombinant Human IL36A protein

**Cat. No.** IL36A-139H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL36A was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | IL-1 epsilon is an actively secreted member of the IL-1 family of cytokines. It is mainly expressed in tissues with epithelial cells and in psoriatic plaques, as well as by monocytes, B cells and T cells. IL-1 epsilon has been shown to signal through the IL-Rrp2 receptor which is primarily expressed on certain dendritic cells, and to act as an agonist of NF-kappaB which then stimulates the inflammatory response in bronchial epithelial cells. |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered solution in PBS, NaCl and Tween® 20 with BSA as a carrier protein                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 17.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | <1.0 EU/µg of recombinant protein as determined by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Cell Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | The lyophilized protein is stable for at least one year from date of receipt at -70                                                                                                                                                                                                                                                                                                                                                                           |

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centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 centigrade - 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

**Reconstitution**

Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin

## 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

**UniProt ID**

Q9UHA7

**Chromosome  
Location**

2q12-q14.1

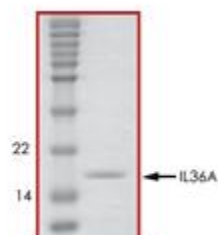
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**Function**

cytokine activity; interleukin-1 receptor binding;



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