

# Human IL36A Recombinant Protein



RPPB0676

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## Product Information    Protein Information

**Product SKU:**

RPPB0676

**Accession:**

Q9UHA7

**Host:**

Escherichia Coli.

**Protein description:**

IL36A Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 153 amino acids (aa 6-158) and having a molecular mass of 17.0kDa. The IL36A is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Interleukin 36 alpha, FIL1E, IL1F6, FIL1, IL1(EPSILON), interleukin 1 family member 6 (epsilon), MGC129552, MGC129553.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, 150mM NaCl, 0.1% Tween 20, pH 8.0.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized IL36A in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized IL36A Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36A should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

KIDTPQQGSI QDINHRVWVL QDQTLIAVPR KDRMSPVTIA LISCRHVETL EKDRGNPIYL GLNGLNLCLM  
CAKVGDQPTL QLKEKDIMDL YNQPEPVKSF LFYHSQSGRN STFESVAFPG WFIASVSEGG CPLILTQELG  
KANTTDFGLT MLF

**Biological Activity:**

Fully biologically active when compared to standard. The ED<sub>50</sub> as measured by its ability to induce IL-8 secretion in human preadipocytes is less than 10ng/ml, corresponding to a Specific Activity of 100,000 IU/mg.