

## 32-6479: IL36A Mouse, His

**Alternative Name :** Interleukin-36 alpha, FIL1 epsilon, Interleukin-1 epsilon, IL-1 epsilon, Interleukin-1 family member 6, IL-1F6, Interleukin-1 homolog 1, IL-1H1, I36a, Fil1e, I1e, I1f6, I1h1.

### Description

Source: E.coli.

Sterile Filtered colorless solution.

Human IL-36a belongs to the IL-1 family which includes IL-1b, IL-1a, IL-1ra, IL-18, IL-36ra (IL1F5), IL-36b (IL1F8), IL-36g (IL1F9), IL-37 (IL1F7) and IL-38 (IL-1F10). The IL-1 family members display a 12 b-strand, b-trefoil configuration, and are thought to have ascended from a mutual ancestral gene. IL-36a is an 18-22kDa, 158aa intracellular and secreted protein which holds no signal sequence, no prosegment and no potential from N-linked glycosylation sites. IL-36a is released as a reaction to LPS and the cell ATP-induced activation of the P2X7 receptor. Human IL-36a (aa 6-158) shares 57-68% aa sequence homology with mouse, rabbit, equine and bovine IL-36a and 27-57% aa sequence homology with other new IL-1 family members. IL-36a is mostly found in skin and lymphoid tissues, but also in fetal brain, trachea, stomach and intestine. IL36A Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 183 amino acids (1-160 a.a) and having a molecular mass of 20.4kDa. IL36A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	5 µg / 20 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	IL36A protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4) and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH MGS MNKEKEL RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTVPVTIT LLPCQYLDLTL ETNRGDPTYM GVQRPMSCFL CTKDGEQPV LQLGEGNIMEM YNKKEPVKAS LFYHKKSGTT STFESAAPFG WFIIVCSKGS CPLILTQELG EIFITDFEMI VVH.