

# Recombinant mouse IL-36 alpha/IL-1F6 protein

Catalog Number: ATGP3166

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-160aa

### UniProt No.

Q9JLA2

### NCBI Accession No.

NP\_062323.1

### Alternative Names

Interleukin-36 alpha, Fil1, IL-1H1, Il1f9, IL1RP2, Il36a, Uscropmagleukin-36 alpha, 2

## PRODUCT SPECIFICATION

---

### Molecular Weight

20.4 kDa (183aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

Il36a also known as Interleukin-36 alpha. Il36a participates in cytokine/chemokine production in the epithelium. Part of the Il36a signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor IL1RAP. Recombinant mouse Il36a, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

# Recombinant mouse IL-36 alpha/IL-1F6 protein

Catalog Number: ATGP3166

chromatography techniques.

## Amino acid Sequence

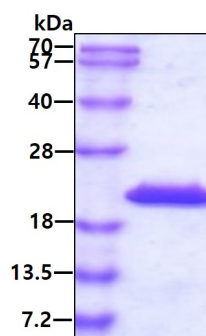
<MGSSHHHHHH SSGLVPRGSH MGS>MNKEKEL RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTVPTIT  
LLPCQYLDL ETNRGDPTYM GVQRPMSCFL CTKDGEQPVL QLGEGNIMEM YNKKEPVKAS LFYHKKSGTT STFESAAPG  
WFIAVCSKGS CPLILTQELG EIFITDFEMI VVH

## General References

Ichii O., et al. (2010) Lab Invest. 90(3):459-75.  
R Debets., et al. (2004) J Biol Chem. 279(14):13677-88

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain