

For Research Use Only

# Recombinant Human IL-1F6/IL-36 Alpha protein (rFc Tag)



Catalog Number: Eg4969

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human IL-1F6 protein Lys6-Phe158 (Accession# Q9UHA7) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**

27179

**Accession:**

Q9UHA7

**Predicted Molecular Mass:**

44.3 kDa

**SDS-PAGE:**

49-60 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

IL1F6, also known as IL36A, is a cytokine that can activate NF-kappa-B and MAPK signaling pathways to generate an inflammatory response. IL1F6 functions primarily in skin and demonstrates increased expression in psoriasis. In addition, decreased expression of this gene has been linked to a poor prognosis in both hepatocellular carcinoma and colorectal cancer patients.

## References

1. Smith DE, et al. (2000). J Biol Chem. 275(2):1169-75.
2. Johnston A, et al. (2011). J Immunol. 186(4):2613-22.

## Synonyms

IL1F6, IL-36 Alpha, IL-36α, IL 1F6, IL-1F6

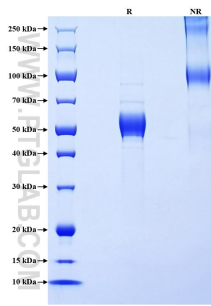
For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Human IL-1F6 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.