

# Mouse IL-38, His Tag, E. coli

Catalog Number LDG060PME

Package 5 μg / 20 μg / 100 μg / Customized package

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## **Specifications**

**Species of Origin** 

Mouse

**Affinity Tag** 

His Tag (C-term)

**Purity** 

>98% as determined by SDS-PAGE analysis.

**Endotoxin level** 

<0.1 EU per 1  $\mu g$  of the protein by the LAL method.

**Expression system** 

Escherichia coli

**Buffer** 

Lyophilized from a 0.2  $\mu m$  filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 17.89 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

**Form** 

Lyophilized

Background



#### **Background**

Interleukin 38 (IL-38) is a 16.87 kDa cytokine with 152 amino acid residues and a member of the interleukin-1 (IL-1) family. IL-38 is primarily secreted from basal epithelia of the skin and B cells of the tonsil, spleen, and thymus. It plays essential roles in inflammation and host defense by mediating NF-kB, AP1, and JNK signaling pathways when IL-38 binds to the receptors like IL1RAPL1 and IL-36R. In addition, IL-38 participates in down-regulating cell proliferation, migration, and up-regulating IL-6 and IL-10.

# Synonyms

Interleukin-1 family member 10, IL-1F10

#### **Uniprot ID**

#Q8R459

#### **Sequence Note**

Met1-Arg152

#### Instruction

#### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile  $H_2O$  to a concentration not less than 200  $\mu$ g/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolved.

# Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

#### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

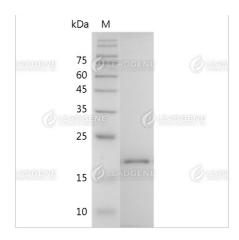
### **Image**

Tainan Headquarter

**Innovation & Research Center** 

**CLD Center** 





SDS-PAGE analysis of recombinant mouse IL-38.

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