# **Recombinant Human STAT1 Protein**

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Catalog No.: RP01251 Recombinant 2 Publications

# **Sequence Information**

**Species Gene ID Swiss Prot** Human 6772 P42224-2

### **Tags**

C-His

#### **Synonyms**

CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3;

STAT91;STAT1;IMD31A;IMD31B;IMD31C;I SGF-3;STAT91;STAT1 alpha

# **Product Information**

# **Source Purification** Baculovirus-Infected $\geq 90 \%$ as

Sf9 Cells determined by SDS-

PAGE.

# Calculated MW Observed MW

83.88 kDa 85-100 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

# **Contact**

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# **Background**

# **Basic Information**

#### **Description**

Recombinant Human STAT1 Protein is produced by Baculovirus-Infected Sf9 Cells expression system. The target protein is expressed with sequence (Met1-Val712) of human STAT1 (Accession #NP\_644671.1) fused with a 6×His tag at the C-terminus.

#### **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized Human STAT1 Protein at 1  $\mu$ g/mL (100  $\mu$ L/well) can bind STAT1 Rabbit mAb with a linear range of 0.195-1.295 ng/mL.

#### **Shipping**

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

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

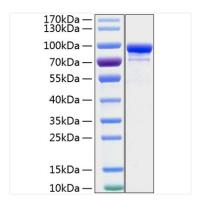
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

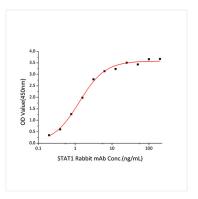
# **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human STAT1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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