

# Recombinant Human STAT1 Protein

Catalog No.: RP01251 **Recombinant** **1 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 Sf9 Cells | > 92% by SDS-PAGE. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 83.88 kDa     | 85-100 kDa  |

### Endotoxin

< 1.0 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

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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

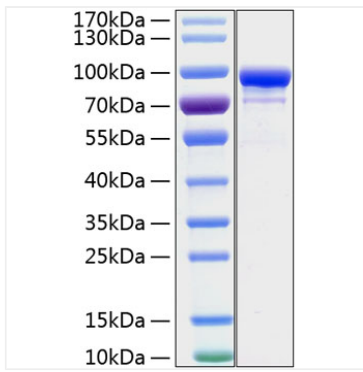
Measured by its binding ability in a functional ELISA. Immobilized Human STAT1 Protein at 1 μg/mL (100 μL/well) can bind STAT1 Rabbit mAb with a linear range of 0.195-1.295 ng/mL.

#### Storage

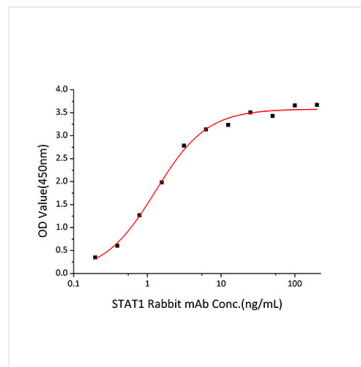
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human STAT1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 85-100 kDa.



Immobilized Recombinant Human STAT1 Protein at 1  $\mu\text{g/mL}$  (100  $\mu\text{L/well}$ ) can bind STAT1 Rabbit mAb with a linear range of 0.195-1.295 ng/mL.