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Recombinant Human STAT1 Protein

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;ISGF-3;STAT91;STAT1 alpha

Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	≥ 90 % as 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.

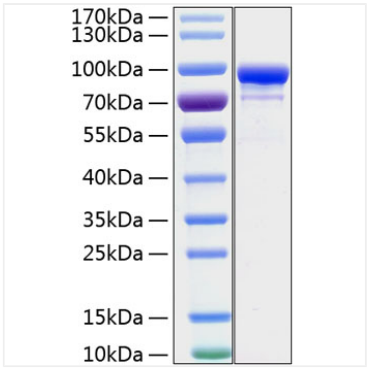
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Human STAT1 Protein at 1 μg/mL (100 μL/well) can bind STAT1 Rabbit mAb with a linear range of 0.195-1.295 ng/mL.

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

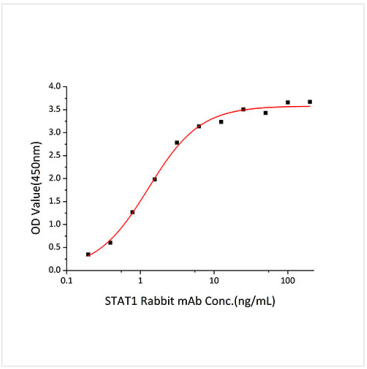
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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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