

## Active Recombinant Human STAT1 protein, His-tagged

Cat. No. STAT1-7037H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human STAT1 protein(Met1-Val712), fused with C-terminal His tag, was expressed in Insect cells.                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                       |
| <b>Source</b>           | Insect cells                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-712 aa                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                |
| <b>Bio-activity</b>     | 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.                         |
| <b>Molecular Mass</b>   | 83.88 kDa                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | < 1 EU/µg of the protein by LAL method.                                                                                                                                                                     |
| <b>Purity</b>           | ≥ 90 % as determined by SDS-PAGE.                                                                                                                                                                           |
| <b>Storage</b>          | 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. |

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**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.

**GENE INFORMATION**

**Gene Name** STAT1 signal transducer and activator of transcription 1, 91kDa [ Homo sapiens ]

**Official Symbol** STAT1

**Synonyms**

STAT1; signal transducer and activator of transcription 1, 91kDa; signal transducer and activator of transcription 1, 91kD; signal transducer and activator of transcription 1-alpha/beta; ISGF 3; STAT91; transcription factor ISGF 3 components p91/p84; transcription factor ISGF-3 components p91/p84; signal transducer and activator of transcription-1; CANDF7; ISGF-3; DKFZp686B04100;

**Gene ID** 6772

**mRNA Refseq** NM\_007315

**Protein Refseq** NP\_009330

**MIM** 600555

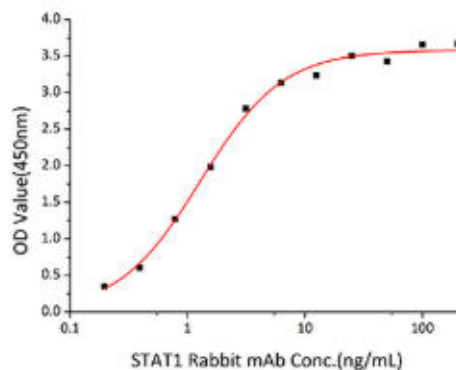
**UniProt ID** P42224

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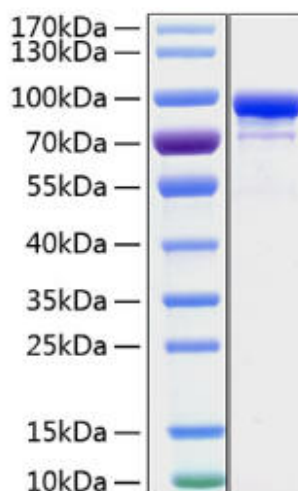
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## Activity



## SDS-PAGE



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