

## Recombinant Human STAT1 protein, GST-tagged

**Cat. No.** STAT1-2996H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human STAT1 protein(2-230 aa), fused with GST tag, was expressed in E.coli.                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 2-230 aa                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | SQWYELQQLDSEKFLQVHQLYDDSEPMIRQYLAQWLEKQDWEHAANDVSFATIR<br>FHDLLSQLDDQYSRFSLENNFLLQHNIRKSKRNLQDNFQEDPIQMSMIIYSCLKEERK<br>ILENAQRFNQAQSGNIQSTVMLDKQKELDSKVRNVKDKVMCIEHEIKSLEDLQDEYD<br>FKCKTLQNHETNGVAKSDQKQEQLLLKKMYLMLDNKRKEVVHKIIELLNVTELTQ<br>NA                           |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                         |

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**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | STAT1 signal transducer and activator of transcription 1, 91kDa [ Homo sapiens ]                                                                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b> | STAT1                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 6772                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_007315                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_009330                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>             | 600555                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | P42224                                                                                                                                                                                                                                                                                                                                                                                         |

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