

## Recombinant Human STAT2 protein, His/MBP-tagged

Cat. No. STAT2-332H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Product Overview | Recombinant Human STAT2(9-217 aa) fused with His/MBP tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ProteinLength    | 9-217 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Description      | <p>The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene.</p> |
| Form             | Liquid in PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity           | SDS-PAGE >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applications     | WB Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                              |
| <b>Storage</b>          | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | STAT2 signal transducer and activator of transcription 2, 113kDa [ Homo sapiens ]                                                                                                                                                                                      |
| <b>Official Symbol</b>  | STAT2                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | STAT2; signal transducer and activator of transcription 2, 113kDa; signal transducer and activator of transcription 2, 113kD; signal transducer and activator of transcription 2; STAT113; interferon alpha induced transcriptional activator; P113; ISGF-3; MGC59816; |
| <b>Gene ID</b>          | 6773                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_005419                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_005410                                                                                                                                                                                                                                                              |
| <b>MIM</b>              | 600556                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | P52630                                                                                                                                                                                                                                                                 |

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