

# Recombinant Human STAT4 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** STAT4-6697H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | STAT4 MS Standard C13 and N15-labeled recombinant protein (NP_003142) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is a member of the STAT family of transcription factors. 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. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein. |
| <b>Molecular Mass</b>   | 85.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATIL<br>LQNLLIQLDEQLGRVSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRI<br>LAAANMPVQGPLEKSLQSSSVSERQRNVEHKVAAIKNSVQMTEQDTKYLEDLQDEF<br>DYRYKTIQTMDQSDKNSAMVNQEVLTQEMLNSLDFKRKEALSKMTQIIHETDLLMN<br>TMLIEELQDWKRRQQIACIGGPLHNGLDQLQNCFTLLAESLFQLRRQLEKLEEQSTK                                                                                                                                                                                                                                                                                                                                                         |

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MTYEGDPIPMQORTHMLERVTFLLIYNLFKNSFVVERQPCMPHPQRPLVLKTLIQFTV  
 KLRLLIKLPELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIEESSNGSLSVEFR  
 HLQPKEMKSSAGGKGNEGCHMVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVS  
 QLPNAWASIIWYNVSTNDSQNLVFFNNPPPATLSQLLEVMSWQFSSYVGRGLNSDQ  
 LHMLAEKLTQSSYSDGHLTWAKFCKEHLPGKSFTFWTWLEAILDLIKKHILPLWIDG  
 YVMGFVSKEKERLLLKDKMPGTFLRFSESHLGGITFTWVDHSESGEVRFHSVEPY  
 NKGRLSALPFADILRDYKVIMAENIPENPLKYLYPDIPKDKAFGKHYSSQPCEVSRPT  
 ERGDKGYVPSVFIPISTIRSDSTEPHSPDLLPMSPSVYAVLRENLSPTTIETAMKSPY  
 SAETRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| <b>Gene Name</b>       | STAT4 signal transducer and activator of transcription 4 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | STAT4                                                                             |
| <b>Synonyms</b>        | STAT4; signal transducer and activator of transcription 4;                        |
| <b>Gene ID</b>         | 6775                                                                              |

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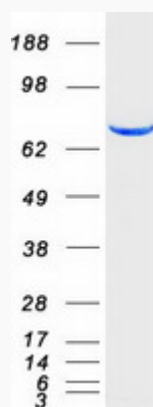
**mRNA Refseq** [NM\\_003151](#)

**Protein Refseq** [NP\\_003142](#)

**MIM** [600558](#)

**UniProt ID** [Q14765](#)

**SDS-PAGE**



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