

# Recombinant Human STAT5A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** STAT5A-4962H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	STAT5A MS Standard C13 and N15-labeled recombinant protein (NP_003143) 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 activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.
<b>Molecular Mass</b>	90.5 kDa
<b>AA Sequence</b>	MAGWIQAQQLQGDALRQMQLVLYGQHFPIEVRHYLAQWIESQPWDAIDLDPQDRA QATQLLEGLVQELQKKAHQVGEDGFLKIKLGHYATQLQKTYDRCPELVRCIRHIL

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YNEQRLVREANNCSSPAGILVDAMSQKHLQINQTFEELRLVTQDTENELKKLQQTQE  
YFIIQYQESLRIQAQFAQLAQLSPQERLSRETALQQKQVSLEAWLQREAQTLQQYRV  
ELAEKHQKTLQLLRKQQTII LDDELIQWKRRQQLAGNGGPPPEGSLDVLQSWCEKLAE  
IIWQNRQQIRRAEHLCCQLPIPGPVEEMLAEV NATITDIISALVTSTFII EKQPPQVLKT  
QTKFAATV RLLVGGKLNVMNPPQVKATIISEQQAKSLLKNENTRNECSGEILNNCC  
VMEYHQATGTL SAHFRNMSLKRIKRADRRGAESVTEEKFTVLFESQFSVGSNELVF  
QVKTL SLPVVVIVHGSQDHNATATVLWDNAFAEPGRV PFAVPDKVLWPQLCEALNM  
KFKAEVQSNRGLTKENLVFLAQKLFNNSSSHLEDYSGLSVSWSQFNRENLPGWNY  
TFWQWFDGVM EVLKHHKPHWNDGAILGFVNKQQAHDLLINKPDGTFLLRFSDEI  
GGITIAWKFDSPERNLWNLKPFTTRDFSIRSLADRLGDLSYLIYVFPDRPKDEVFSKY  
YTPVLAKAVDGYVKPQIKQVVPEFVNASADAGGSSATYMDQAPSPAVCPQAPYNM  
YPQNP DHVLDQDGEFDLDETMDVARHVEELLRRPMDSLDSRLSPPAGLFTSARGSL  
STRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** STAT5A signal transducer and activator of transcription 5A [ Homo sapiens (human) ]

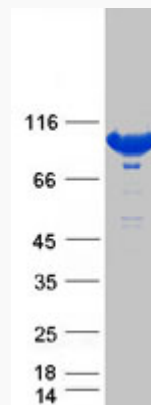
**Official Symbol** STAT5A

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<b>Synonyms</b>	STAT5A; signal transducer and activator of transcription 5A; STAT5; MGF;
<b>Gene ID</b>	6776
<b>mRNA Refseq</b>	NM_003152
<b>Protein Refseq</b>	NP_003143
<b>MIM</b>	601511
<b>UniProt ID</b>	P42229

**SDS-PAGE**

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