

# Recombinant Full Length Human STAT6 Protein, C-Flag-tagged

**Cat. No.** STAT6-888HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human STAT6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	94 kDa
<b>AA Sequence</b>	MSLWGLVSKMPPEK VQRLYVDFPQHRLRHLLGDWLESQPWEFLVGSDAFCCNL TSA LLSDTVQHLQASVG EQGEGSTILQHISTLESYQRDPLKLVATFRQILQGEKKAVME

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QFRHLPMPFHWKQEELKFKTGLRRLQ HRVGEIHELLREALQKGAEAGQVSLHSLIET  
 PANGTGPSEALAMLLQETTGELEAAKALVLKRIQIWKRQ QQLAGNGAPFEESLAPL  
 QERCESLVDIYSQLQQEVGAAGGELEPKTRASLTGRLDEVLRTLVTSCFLVE KQPP  
 QVLKTQTKFQAGVRFLLGLRFLGAPAKPPLVRADMVTEKQARELSVPQGGGAGAES  
 TGEIINNTV PLENSIPGNCCSALFKNLLLKKIKRCERKGTESVTEEKCAVLFSASFTLG  
 PGKLPQLQALSPLLVIV HGNQDNNAKATILWDNAFSEMDRVPFVVAERVPWEKM  
 CETLNLKFMAEVGTNRGLLPEHFLFLAQKIFN DNSLSMEAFQHRSVSWSQFNKEILL  
 GRGFTFWQWFDGVLDTKRCLRSYWSDRLIIGFISKQYVTSLLL NEPDGTFLLRFSD  
 SEIGGITIAHVIRGQDGSPQIENIQPFSAKDLSIRSLGDRIRDLAQLKNLYPKKPK DEA  
 FRSHYKPEQMKGDKGRGYVPATIKMTVERDQPLPTPELQMPTMVPSPYDLGMAPDSS  
 MSMQLGPDMPV QVYPPHSHSIPPYQGLSPEESVNVLSAFQEPHLQMPPSLGQMSL  
 PFDQPHPQGLLPCQPQEHAVSSPDP LLCSDVTMVEDSCLSQPVTAFPQGTWIGEDI  
 FPPLLPPTEQDLTKLLLEGQGESGGGSLGAQPLLQPSH  
 YGQSGISMHMDLRANLSWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

<b>Protein Pathways</b>	Jak-STAT signaling pathway
-------------------------	----------------------------

<b>Full Length</b>	Full L.
--------------------	---------

## GENE INFORMATION

<b>Gene Name</b>	STAT6 signal transducer and activator of transcription 6 [ Homo sapiens (human) ]
------------------	---

<b>Official Symbol</b>	STAT6
------------------------	-------

<b>Synonyms</b>	STAT6B; STAT6C; D12S1644; IL-4-STAT
-----------------	-------------------------------------

<b>Gene ID</b>	6778
----------------	------

<b>mRNA Refseq</b>	NM_003153.5
--------------------	-------------

<b>Protein Refseq</b>	NP_003144.3
-----------------------	-------------

<b>MIM</b>	601512
------------	--------

<b>UniProt ID</b>	P42226
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA