

Product datasheet for **TP306892L**

STAT4 (NM_003151) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human signal transducer and activator of transcription 4 (STAT4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206892 protein sequence Red =Cloning site Green =Tags(s)

MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDEQLGR
VSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQSSVSERQ
RNVEHKVAAIKNSVQMTEQDTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEVLTQLQEMLNSLDFKRK
EALSKMTQIIHETDLLMNTMLIEELQDWKRRQQIACIGGPLHNGLDQLQNCFTLLAESLFQLRRQLEKLE
EQSTKMTYEGDPIPMQRTHMLERVTFLLIYNLFKNSFVVERQPCMPHPQRPLVLKTLIQFTVKLRLLIKL
PELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIESSNGSLSVFRHLQPKEMKSSAGGKGNEGCH
MVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVSQLPNAWASIIWYNVSTNDSQNLVFFNPPAT
LSQLLEVMSWQFSSYVGRGLNSDQLHMLAEKLTVQSSYSDGHLTWAKFCKEHLPGKSFTFWTWLEAILDL
IKKHILPLWIDGYVMGFVSKEKERLLLKDKMPGTFLLRFSEHLGGITFTWVDHSESSEVRFHVSVEPYNK
GRLSALPFADILRDYKVIMAENIPENPLKYLYPDIPKDKAFGKHYSSQPCEVSRPTERGDKGYPVSVFIP
ISTIRSDSTEPHSPDLLPMSPSVYAVLRENLSPTTIETAMKSPYSAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	85.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



[View online »](#)

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003142](#)

Locus ID: 6775

UniProt ID: [Q14765](#)

RefSeq Size: 2840

Cytogenetics: 2q32.2-q32.3

RefSeq ORF: 2244

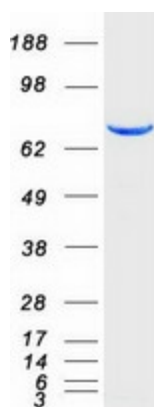
Synonyms: SLEB11

Summary: 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. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified STAT4 protein (Cat# [TP306892]). The protein was produced from HEK293T cells transfected with STAT4 cDNA clone (Cat# [RC206892]) using MegaTran 2.0 (Cat# [TT210002]).