

Product datasheet for **TP306892M**

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206892 protein sequence Red =Cloning site Green =Tags(s)

MSQWNQVQQLKIFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDEQLGR
VSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQSSSVSERQ
RNVEHKVAAIKNSVQMTEQDQTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEVLTLEMLNSLDFKRRK
EALSMTQIIHETDLLMNTMLIEELQDWKRRQQIACIGGPLHNGLDQLQNCFTLLAESLFQLRRQLEKLE
EQSTKMTYEGDPIPMQRTHMLERVTFLLIYNLFKNSFVVERQPCMPHPQRPLVLKTLIQFTVKLRLLIKL
PELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIESSNGSLSVFEFRHLQPKEMKSSAGGKGNEGCH
MVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVSQLPNAWASIIWYNVSTNDSQNLVFFNNPPPAT
LSQLLEVMSWQFSSVGRGLNSDQLHMLAEKLTQSSYSDGHLTWAKFCKEHLPGKSFTFWTWLEAILD
IKKHILPLWIDGYVMGFVSKEKERLLLKDKMPGTFLRFSESHLGGITFTWVDHSESGEVRFHVSVEPYNK
GRLSALPFADILRDYKVIMAENIPENPLKYLDPDKDAFGKHYSQPCEVSRPTERGDKGYVPSVFIP
ISTIRSDSTEPHSPDLLMSPSVYAVLRENLSPTTIETAMKSPYSAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

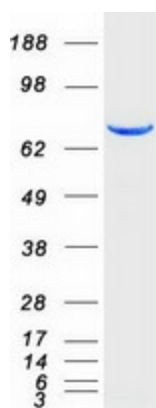
Tag:	C-Myc/DDK
Predicted MW:	85.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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Storage:	Store at -80°C.
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]).