

Product datasheet for PH306892

STAT4 (NM_003151) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STAT4 MS Standard C13 and N15-labeled recombinant protein (NP_003142)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206892
Predicted MW:	85.9 kDa
Protein Sequence:	>RC206892 protein sequence Red=Cloning site Green=Tags(s)

MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDEQLGR
VSKEKNLLLHNLKRIRKVLQGFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQSSVSERQ
RNVEHKVAAIKNSVQMTEQDQTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEVLTQEMLSLDFKRRK
EALSKMTQIIHETDLLMNTMLIEELQDWKRRQIACIGGPLHNGLDQLQNCFTLLAESLFQLRRQLEKLE
EQSTKMTYEGDPIPMQRTHMLERVTFLLIYNLFKNSFVVERQPCMPHPQRPLVLKTLIQFTVKLRLLIKL
PELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIEESSNGSLSVEFRHLQPKEMKSSAGGKGNEGCH
MVTEELHSITFETQICLYGLTIDLETSSLPVVMI SNVSQLPNAWASIIWYNVSTNDSQNL VFFNPPPPAT
LSQLLEVMSWQFSSYVGRGLNSDQLHMLAEKLTQSSYSDGHL TWAKFCKEHLPGKSFTFTWLEAILDL
IKKHILPLWIDGYVMGFVSKEKERLLLKDKMPGTFLLRFSESHLGGITFTWVDHSESSEVRFHSVEPYNK
GRLSALPFADILRDYKVI MAENIPENPLKYL YPDIPKDKAFGKHYSSQPCEVSRPTEGDKGYVPSVFIP
ISTIRSDSTEPHSPDLLPMSPSVYAVLRENLSPTTIETAMKSPYSAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003142</u>



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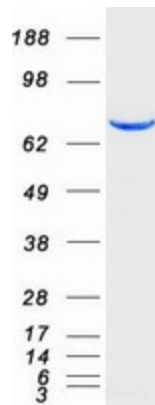
RefSeq Size:	2840
RefSeq ORF:	2244
Synonyms:	SLEB11
Locus ID:	6775
UniProt ID:	Q14765
Cytogenetics:	2q32.2-q32.3

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]).