

Product datasheet for TP308592L

STAT2 (NM_005419) Human Recombinant Protein

Product data:

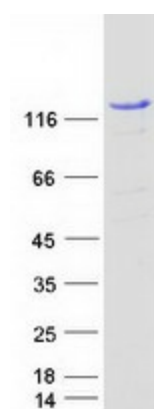
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human signal transducer and activator of transcription 2, 113kDa (STAT2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208592 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAQWEMLQNLDSPPFQDQLHQLYSHSLLPVDIRQYLAVWIEDQNWQEAALGSDDSKATMLFFHFLDQLNYYE CGRCSQDPESLLLQHNLKRKFCRDIQPFSQDPTQLAEMIFNLLLEEKRILIQARAQLEQGEPVLETPVES QQHEIESRILDRAMMEKLVKISQLKDQQDVFCFRYKIQAKGKTPSLDPHQTKQKILQETLNELDKRR KEVLDASKALLGRLTTLIELLLPKLEEWKAQQKACIRAPIDHGLEQLETWFTAGAKLLFHLRQLLKELK GLSCLVSYQDDPLTKGVDLRNAQVTELLQRLRHRAFVETQPCMPQTPHRPLILKTGSKFTVRTRLLVRL QEGNESLTVEVSIDRNPPQLQGFRKFNILTSNQKTLTPEKQSQGLIWDGFLYTLVEQSRSGSGKGSNKG PLGVTEELHIISFTVKYTYQGLKQELKTDLPVVIISNMNQLSIAWASVLWFNLLSPNLQNLQFFSNPPK APWSLLGPALSWQFSSYVGRGLNSDQLSMLRNKLFQNCRTEDPLLSWADFTKRESPPGKLPFWTWLDKI LELVHDHLKDLWNDGRIMGFVSRSQERRLLKKTMSGTFLLRFSESSEGGITCSWVEHQDDDKVLIYSVQP YTKEVLQSLPLTEIIRHYQLLTEENIPENPLRFLYPRIPRDEAFGCYYQEKVNLQERRKYLKHLRIVVSN RQVDELQPLELKPEPELESLELELGLVPEPELSLDLEPLLKAGLDLGPELESVLESTLEPVIEPTLCMV SQTVPDPDQGPVSQPVPEPDLPCDLRHLNTEPMEIFRNCVKIEEIMPNGDPLLAGQNTVDEVYVSRPSHF YTDGPLMPDF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	97.7 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.



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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.
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_005410
Locus ID:	6773
UniProt ID:	P52630 , R9QE65
RefSeq Size:	4576
Cytogenetics:	12q13.3
RefSeq ORF:	2553
Synonyms:	IMD44; ISGF-3; P113; PTORCH3; STAT113
Summary:	The protein encoded by this gene is a member of the STAT protein family. 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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. The protein mediates innate antiviral activity. Mutations in this gene result in Immunodeficiency 44. [provided by RefSeq, Aug 2020]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Chemokine signaling pathway, Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified STAT2 protein (Cat# [TP308592]). The protein was produced from HEK293T cells transfected with STAT2 cDNA clone (Cat# [RC208592]) using MegaTran 2.0 (Cat# [TT210002]).