

Product datasheet for **TP527265**

Stat3 (NM_213659) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse signal transducer and activator of transcription 3 (Stat3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227265 representing NM_213659 Red =Cloning site Green =Tags(s)
	<p>MAQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAASKESHATLVFHNLLGEIDQQY SR FLQESNVLYQHNLRRKQFLQSRYLEKPMIARIVARCLWEESRLQTAATAAQGGQANHPTAAVTEK QQMLEQLQDVRKRVQDLEQKMKVWENLQDDDFNYKTLKSQGDMQDLNGNNSVTRQKMQQLE QMLTAL DQMRRSIVSELAGLLSAMEYVQKTLTDEELADWKRRQQIACIGGPPNICLDRLNWTSLAESQLQTRQQ IKKLEELQQKVSQKGDPIVQHRPMLERIVELFRNLMKSAFVVERQPCMPMHPDRPLVIKTVQFTTKVR LLVKFPELNYQLKIKVCIDKDSGDVAALRGSRKFNILGTNTKVMNMEESNNGSLSAEFKHLTLREQRCGN GGRANCDASLIVTEELHLITFETEVYHQGLKIDLETHSLPVVISNICQMPNAWASILWYNMLTNNPKNV NFFTTPPIGTWDQVAEVLWQFSSTTKRGLSIEQLTTAEKLLGPGVNYSGCQITWAKFCKENMAGKGF FWWLDNIIDLVKYILALWNEGYIMGFISKERERAILSTKPPGTFLRLFESSKEGGVTFTWVEKDISG KTQIQSVEPYTKQLNNMSFAEIIMGYKIMDATNILVSPVLYLPDIPKEEAFGKYCRPESQEHPEADPG SAAPYLKTKFICVPTTCSNTIDLPMSPRTLDSLMMQFGNNGEGAEPSSAGGQFESLTFDMDLTSECATSPM</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	88.5 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
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 after receiving vials.
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:	<u>NP_998824</u>
Locus ID:	20848
UniProt ID:	<u>P42227</u>
RefSeq Size:	4487
Cytogenetics:	11 63.82 cM
RefSeq ORF:	2310
Synonyms:	1110034C02Rik; A; Aprf; AW109958
Summary:	<p>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. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Sep 2015]</p>