

## Product datasheet for TP527035

### Stat4 (NM\_011487) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse signal transducer and activator of transcription 4 (Stat4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227035 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIETQDWEVASNNETMATILLQNLILQLDEQSGR  
VSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPIQGPLEKSLQSSSVSERQ  
RNVEHKVSAIKNSVQMTEQDTKYLEDLQDEFDYRYKTIQTMDQGDKNSILVNQEVLTQEMLNSLDFKRK  
EALS KMTQIVNETDLLMNSMLLEELQDWKKRQQIACIGGPLHNGLDQLQNCFTLLAESLFQLRQQLEKLQ  
EQSTKMTYEGDPIPAQRAHLLERATFLIYNLFKNSFVVERQPCMPHPQRPMVLKTLIQTFTVKLRLLIKL  
PELNYQVKVKASIDKNVSTLSNRRFVLCGTHVKAMSSEESSNGSLSVFRHLQPKEMKCSTGSKGNEGCH  
MVTEELHSITFETQICLYGLTINLETSSLPVVMISNVSQLPNAWASIIWYNVSTNDSQNLVFFNPPSVT  
LGQLLEVMSWQFSSYVGRGLNSEQLNMLAEKLTVQS NYNDGHLTWAKFCKEHLPGKTFFTWVLEAILDL  
IKKHILPLWIDGYIMGFVSKEKERLLLKDKMPGTFLRRFSEHLGGITFTWVDQSENGEVRFHSVEPYNK  
GRLSALPFADILRDYKVIMAENFPENPLKYLDPDKAFGKHYSSQPCEVSRPTERGDKGYPVSVFIP  
ISTIRSDSTEPQSPDLLMSPSAYAVLRENLSPTTIETAMNSPYSAE

**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
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 after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_035617</a>
<b>Locus ID:</b>	20849
<b>UniProt ID:</b>	<a href="#">P42228</a> , <a href="#">Q3V157</a>
<b>RefSeq Size:</b>	2981
<b>Cytogenetics:</b>	1 26.67 cM
<b>RefSeq ORF:</b>	2247
<b>Summary:</b>	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. Homozygous knockout mice for this gene exhibit reduced inflammation and cytokine production in response to immune challenge. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]