

Product datasheet for **MC221548**

Stat5b (NM_001113563) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat5b (NM_001113563) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stat5b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221548 representing NM_001113563
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTATGTGGATACAGGCTCAGCAGCTCCAGGCGGATGCCCTTACCAGATGCAGGCCTGTACGGCC
 AGCATTTCCCATCGAGGTGCGACATTATTTATCACAGTGGATCGAAAGCCAAGCCTGGGACTCAATAGA
 TCTTGATAATCCACAGGAGAACATTAAGGCCACCCAGCTCCTGGAGGGCCTGGTGCAGGAGCTGCAGAAG
 AAGGCGGAGCACCAGGTGGGGAAGATGGGTTTTTGTGAAGATCAAGCTGGGGCACTATGCCACACAGC
 TCCAGAGCACGTACGACCCTGCCCAATGGAGCTGGTTCGCTGTATCCGGCACATTCTGTACAACGAACA
 GAGGCTGGTTCGCGAAGCCAACAACGGCAGCTCTCCAGCTGGAAGTCTTGTGACGCCATGTCCAGAAG
 CACCTTCAGATCAACCAACGTTTGAGGAGCTGCGCTGATCACACAGGACACGGAGAACGAGCTGAAGA
 AGCTGCAGCAGACCAAGAGTACTTCATCATCCAGTACCAGGAGAGCCTGCGGATCCAAGCTCAGTTTGC
 CCAGCTGGGACAGCTGAACCCCAAGGAGCGCATGAGCAGGAGACGGCCCTCCAGCAGAAGCAAGTGTCC
 CTGGAGACCTGGCTGCAGCGAGAGGCACAGACACTGCAGCAGTACCGAGTGGAGCTGGCTGAGAAGCACC
 AGAAGACCCTGCAGCTGCTGCGGAAGCAGCAGACCATCATCTGGACGACGAGCTGATCCAGTGGAAAGCG
 GAGACAGCAGCTGGCCGGGAACGGGGTCCCCCGAGGGCAGCCTGGACGTGCTGCACTCCTGGTGTGAG
 AAGCTGGCCGAGATCATCTGGCAGAACCGGCAGCAGATCCGCAGGGCTGAGCACTTGTGCCAGCAGCTGC
 CCATCCCAGGCCCGTGGAGGAGATGCTGGCTGAGGTCAACGCCACCATCACGGACATCATCTCAGCCCT
 GGTACCAGCACGTTTCATCATCGAGAAGCAGCCTCCTCAGGTCTGAAGACCCAGACCAAGTTTGCAGCC
 ACCGTGCGCTGCTGGTGGGGGGAAGCTGAATGTGCACATGAACCCCGCAGGTGAAGGCGACCATCA
 TCAGCGAGCAGCAGGCCAAGTCCCTGCTCAAGAATGAGAACACCCGCAATGATTACAGCGCGGAGATCCT
 GAACAACCTGTTGGTTCATGGAGTACCACAGGCCACTGGCACACTCAGCGCCACTTCAGAAACATGTCC
 CTGAAACGAATCAAGAGTCTGACCGCCGTGGGGCAGAGTCAGTAACGGAAGAGAAGTTCACGATCCTGT
 TTGACTCACAGTTCAGCGTCGGTGGAAACGAGCTGGTCTTTCAAGTCAAGACCTTGTGCTCCCGTGGT
 GGTGATTGTTACGGCAGCCAGGACAACAATGCCACAGCCACTGTCTCTGGGACAACGCCTTTGCAGAG
 CCTGGCAGGGTGCCATTTGCCGTGCTGACAAGGTGCTGTGGCCGACGCTGTGTAAGCGCTCAACATGA
 AATTCAAGGCTGAAGTACAGAGCAACCGGGCTTGACCAAGGAGAACCTCGTGTCTGTCACAGAACT
 GTTCAACATCAGCAGCAACCACCTCGAGGACTACAACAGCATGTCCGTGCTGCTGGTCCCAGTTCAACCG
 GAGAATTTGCCAGGACGGAATTACTTTCTGGCAGTGGTTTGATGGCGTATGGAAGTATTGAAAAAC
 ATCTCAAGCCTCACTGGAATGATGGGGCTATCCTGGGTTTCGTGAACAAGCAACAGGCCACGACCTGCT
 CATCAACAAGCCAGACGGGACCTTCTGCTGCGCTTCAGCGACTCGGAAATCGGGGGCATACCATTGCT
 TGGAAAGTTGACTCTCAGGAGAGAATGTTTTGGAATCTGATGCCTTTTACCCTAGAGACTTCTCTATCC
 GGTCCCTCGTGACCGCCTGGGGACCTGAATTACCTCATATATGTGTTTCTGATCGGCCAAAGGATGA
 AGTATATTCTAAGTACTACACACCGTCCCCTGTGAGCCCGCAACTGCGAAAGCAGCTGACGGATACGTG
 AAGCCACAGATCAAGCAGGTGGTCCCGAGTTTGCAATGCATCCACAGATGCTGGGAGTGGCGCCACCT
 ACATGGATCAGGCTCCTTCCCAGTCTGTGCCCTCAGGCTCACTACAACATGTACCCACCAACCCGGA
 CTCCTGCTTGTATACCGATGGGGACTTCGATCTGGAAGACACGATGGACGTGGCGCGCGGTGGAAGAG
 CTCTTAGCGCCGCCCATGGACAGTCAGTGGATCCCTCACGCACAGTCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001113563
Insert Size: 2361 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001113563.1 , NP_001107035.1
RefSeq Size:	4923 bp
RefSeq ORF:	2361 bp
Locus ID:	20851
UniProt ID:	P42232
Cytogenetics:	11 63.63 cM
Gene Summary:	Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) includes an alternate exon in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.