

Product datasheet for **MC221700**

Stat5a (NM_001164062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat5a (NM_001164062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stat5a
Synonyms:	AA959963; STAT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221700 representing NM_001164062
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCTGGATT**CAGGCC**CAGCAGCTT**CAGGG**AGATGCCCTGCGCCAGATGCAAGTGTGTATGGG
 AGCATTTCCCATCGAGGTC**CGGCACT**ACTGGCCAGTGGATCGAGAGCCAGCCGTGGGATGCTATTGA
 CTTGGATAATCC**CCAGGACCGAGGT**CAGGCCACCAACTCCTGGAGGGCCTGGTGCAGGAGCTGCAGAAG
 AAGGCGGAGCACCAGGTGGGGAAAGATGGGTTTTT**GCTGAAG**TCAAGCTGGGGCACTATGCCACACAGC
 TCCAGAACACGTATGACC**CGTGTCC**ATGGAGCTGGTTCGCTGTATCCGT**CACATT**CTGTACAACGAACA
 GAGGCTGGTTCGGAAGCCAACAATTGCAGCTCCCTGCTGGTGTCTGGTTGACCCATGTCCAGAAG
 CACCTTCAGATCAACCAAGGTTTGAGGAGCTGCGCTGATCACACAGGACACGGAGAACGAGCTGAAGA
 AGCTGCAGCAGACCAAGAGTACTTCATCATCCAGTACCAGGAGAGCCTCGGGATCCAAGCTCAGTTTGC
 CCAGCTGGGCCAGCTGAACCC**CCAGGAG**CGCATGAGCAGGAGACGGCCCTCCAGCAGAAGCAAGTGTCC
 CTGGAGACCTGGCTGCAGCGAGAGGCACAGACACTGCAGCAGTACCGAGTGGAGCTGGCTGAGAAGCACC
 AGAAGACCCTGCAGCTGCTGCGGAAGCAGCAGACCATCATCTGGACGACGAGCTGATCCAGTGGAAAGCG
 GAGACAGCAGCTGGCCGGGAACGGGGTCCCCCGAGGGCAGCCTGGACGTGCTGCAGTCCCTGGTGTGAG
 AAGCTGGCCGAGATCATCTGGCAGAACC**GGCAGC**AGATCCGCAGGGCTGAGCACCTGTGCCAGCAGCTGC
 CCATCCCAGGCCCGTGGAGGAGATGCTGGCTGAGGTCAACGCCACCATCACGGACATCATCTCAGCTCT
 GGTACCAGCAGCTTCATCATCGAGAAGCAGCCTCCTCAGGTCTGAAGCCAGACCAAGTTTGGCGCC
 ACCGTGCGCCTGCTGGTGGGGGAAAGCTGAATGTGCACATGAACCCCGCAGGTGAAGCGCAGCATCA
 TCAGCAGCAGCAGGCCAAGTCCCTGCTCAAGAA**TGAGA**ACACCCGCAATGAGTGCAGCGCGGATGATCCT
 GAACAAC**TGTTG**CGTCA**TGGAGT**ACCACAGGCCACTGGCACGCTCAGCGCCACTTCAGAAACATGTCA
 CTGAAAAGAA**TAAG**CGCGCCGACAGGCGTGGTGCAGAGT**CGGT**GACGGAGGAGAAGTTCACAGTCTGT
 TTGAGTCTCAGTTCAGCGTTGGCAGCAACGAGCTGGTGTCCAGGTGAAGACCCTGTCCCTCCCTGTGGT
 CGTTATCGTCCATGGCAGCCAGGACCACAATGCTACTGCCACC**GTGCT**GTGGACAATGCCTTTGCTGAG
 CCGGGCAGGGTGCCATTTGCTGTGCCTGACAAGGTGCTGTGGCCGAGCTGTGTGAAGCGCTCAACATGA
 AATTCAAGGCTGAAGTACAGAGCAACCGGGCTTGACCAAGAGAACTCGTGTCTCGGCACAGAACT
 GTTCAACATCAGCAGCAACCACCTCGAGGACTACAACAGCATGTCTGTCTCGTCCAGTTCAACCGG
 GAGAACTTGGCCGCTGGA**ACTAC**CTTCTGGCAGTGGTTCGACGGGGT**GATGG**AGGTGCTGAAGAAGC
 ACCATAAGCCCCATTGGAATGATGGGGCTATCCTGGGTTTCGTGAACAAGCAACAGGCCACGACCTGCT
 CATCAACAAGCCGGACGGGACCTTCTGCTGCGCTT**CAGT**GACTCGGAAATCGGGGGCATCACCATTGCT
 TGGAA**GTG**ACTCTCCGGACCGAAACCTCTGGAATCTGAAGCCATT**CACG**ACCGGAGATTTCTCCATTC
 GGTCCCTGGCCGACCGGCTGGGGACCTGAACTACCTTATCTACGTGTTCC**CAG**ACCGACCCAAGGACGA
 GGTCTTTGCCAAGTATTACACTCTGTACTTGGTTCGTC**CAAT**GCATCCACAGATGCCGGAGCCAGCGCCA
 CCTACATGGACCAGGCTCCTTCCCAGT**CGTGT**GCCCTCAACCTCACTACAACATGTACCCACCAACCC
 TGACCTGTCTTGACCAAGATGGCGAGTTTGACCTGGATGAGAGCATGGATGTTGCCAGGCAGGTGGAA
 GAACTTTTACGCCGGCCATGGACAGTCTCGACGCCCGCTCTCCCACCTGCTGGTCTCTT**CAC**CTCCG
 CTAGAAGCTCCCTGTCTGAACGCTGGACTCCATGCTTCTCTTGGAAAACCACCTT**CAGT**GTGAGGAGCC
 CACGTCAGTT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001164062
Insert Size: 2394 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_001164062.1 , NP_001157534.1
RefSeq Size:	3628 bp
RefSeq ORF:	2394 bp
Locus ID:	20850
Cytogenetics:	11 63.77 cM
Gene Summary:	<p>Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the GAS element and activates PRL-induced transcription. Regulates the expression of milk proteins during lactation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2), also known as delta E18, lacks an alternate exon in the 3' coding region resulting in a frameshift, compared to variant 1. The resulting isoform (2) has a longer and distinct C-terminus, compared to isoform 1.</p>