

## Product datasheet for **RN203235**

### **Stat5b (NM\_022380) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stat5b (NM_022380) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stat5b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203235 representing NM\_022380  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAATGTGGATACAGGCTCAGCAGCTCCAGGCGGATGCCCTTCATCAGATGCAGGCCTGTACGGCC  
 AGCATTTCCCATCGAGGTGCGACATTATTTATCCAGTGGATCGAAAGTCAAGCCTGGGACTCAATAGA  
 TCTTGATAATCCACAGGAGAACATTAAGGCCACCCAGCTCCTGGAGGGCCTGGTGCAGGAGCTGCAGAAG  
 AAGGCAGAACACCAGGTGGGGAAGATGGGTTTTTGTGAAGATCAAGCTGGGGCACTATGCCACGCAGC  
 TCCAGAACACGTATGACCGCTGCCCAATGGAGCTGGTTCGCTGTATCCGGCACATTCTATACAATGAACA  
 GAGGCTGGTCCGAGAAGCCAACAACGGAAGCTCTCCGGCTGGAAGTCTTGTGACGCCATGTCCAGAAG  
 CACCTTCAGATCAACAAACGTTTGAGGAGCTGCGTCTGATCACACAGGACACGGAGAGCGAGCTGAAGA  
 AGCTGCAGCAGACCAAGAGTACTTCATCATCCAGTACCAGGAGAGCCTACGGATCCAAGCTCAGTTTGC  
 CCAGCTGGCCAACTGAACCCCAAGGAGCGCATGAGCAGGAGACAGCCCTCCAGCAGAAGCAAGTGTCC  
 CTGGAGACCTGGCTGCAGCGAGAGGCACAGACACTGCAGCAGTACCGCGTGGAGCTGGCTGAAAAGCACC  
 AGAAGACCCTGCAGCTGCTGAGGAAGCAGCAGACCATCATCTGGACGACGAGCTGATCCAGTGGAGCG  
 GCGACAGCAACTGGCCGGAATGGGGTCTCCTGAGGGCAGCCTGGATGTGCTGCACTCCTGGTGTGAG  
 AAGCTGGCCGAGATCATCTGGCAGAACCAGCAGATCCGCAGGGCTGAGCACCTGTGCCAGCAGCTGC  
 CCATCCCAGGCCCGTGGAGGAGATGCTGGCCGAGGTCAACGCCACCATCACAGACATCATCTCAGCCCT  
 GGTACCAGCACGTTTCATCATCGAGAAGCAGCCTCCTCAGGTCTGAAGACCCAGACCAAGTTCGCGGCC  
 ACCGTGCGCCTGCTGGTGGGCGGAAGCTGAACGTGCACATGAACCTCCGCAGGTGAAGCAACCATCA  
 TCAGCGAGCAGCAGGCCAAGTCCCTGCTCAAGAACGAGAACACCCGCAATGATTATAGCGCGAGATCCT  
 GAACAACCTGCTGCGTCATGGAGTACCACAGGCCACAGGCACCCTCAGCGCCACTTCAGAAACATGTCC  
 CTGAAACGAATCAAGAGTCTGACCGCCGTGGTGCAGAGTCGGTACGGAAGAGAAGTTCACAATCTTGT  
 TTGACTCACAGTTCAGTGTGGTGGAAATGAGCTGGTCTTTCAAGTCAAGACCTTGTGCTCCCGTGGT  
 GGTGATCGTTCACGGCAGCCAGGACAACAATGCGACGGCTACCGTCTCTGGGACAACGCCTTTGCAGAG  
 CCTGGCAGGGTGCATTTGCCGTGCTGACAAGGTGCTGTGGCCGACGCTGTGTGAGGCGCTCAACATGA  
 AGTTCAAGGCTGAGGTGCAGAGCAACCGGGCTTGACCAAGGAGAACCTCGTGTCTCCTGGCAGAAAAC  
 GTTCAACAGCAGCAGCAACCACCTCGAGGACTACAACAGCATGTCGCTGCTGGTCCCAGTTCAACCGG  
 GAGAATCTGCCAGGACGGAATTACACTTTCTGGCAGTGGTTTGACGGTGTGATGGAGGTGTTAAAGAAAC  
 ATCTCAAGCCTCACTGGAACGATGGGGCCATCTTGGGTTTCGTGAACAAGCAGCAGGCCACGACCTGCT  
 CATCAACAAGCCAGATGGGACCTTCTGCTGCGCTTCAGCGACTCGGAAATCGGGGGCATACCATTGCT  
 TGGAAAGTTGACTCCCAGGAGAGAATGTTTTGGAATCTGATGCCTTTTACCACAAGAGACTTCTCTATCC  
 GGTCCCTCGTGACCGCCTGGGGACCTGAATTACCTCATATACGTGTTTCTGATCGGCCAAAGGATGA  
 AGTATATTCTAAGTACTACACACCAGTCCCGTGTGAGCCCGCCACCGGAAAGCAGCTGACGGATACGTG  
 AAGCCGCAGATCAAGCAAGTGGTCCCGAGTTTGTCAATGCTTCTGCAGATGCAGGGAGCGGCCACCT  
 ACATGGACCAGGCTCCTTCCCAGTGGTGTGCCCTCAGGCTCACTATAACATGTACCCACAGAATCCCGA  
 CTCTGTCTCGATACCGATGGGGATTCGATCTGGAAGACACGATGGACGTGGCAGCGGTGTGGAAGAG  
 CTCTTAGCGCGGCCCATGGACAGTCAGTGGATCCCTCACGCGCAGTCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022380  
**Insert Size:** 2361 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022380.1</a> , <a href="#">NP_071775.1</a>
<b>RefSeq Size:</b>	2671 bp
<b>RefSeq ORF:</b>	2361 bp
<b>Locus ID:</b>	25126
<b>UniProt ID:</b>	<a href="#">P52632</a>
<b>Cytogenetics:</b>	10q31
<b>Gene Summary:</b>	member of the STAT family of transcription factors; may mediate biological actions of several interleukins and growth hormones; may be associated with mammary gland development and lactation [RGD, Feb 2006]