

## Product datasheet for **RN204211**

### Stat5a (NM\_017064) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stat5a (NM_017064) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stat5a
Synonyms:	Stat5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204211 representing NM\_017064  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGGCTGGATT**CAGGCC**CAGCAGCTGCAGGGAGACGCTCTGCGTCAGATGCAAGTGTATATGGG  
 AACATTTCCCATCGAGGTCGGCACTACCTGGCCAGTGGATCGAGAGCCAGCCGTGGGATGCTATTGA  
 CTTGGACAATCCCAGGACCGAGGCCAGGCCACCCAGCTCCTGGAGGGCCTGGTGCAGGAGCTGCAGAAG  
 AAGGCAGAACACCAGGTGGGGGAAGATGGCTTTGTGCTGAAGATCAAGCTGGGGCACTATGCCACGCAGC  
 TCCAGAACACGTACGACCGCTGTCCCATGGAGCTGGTTCGCTGTATCCGTACATTCTGTACAATGAACA  
 GAGGCTGGTCCGAGAAGCCAACAATTGTAGCTCCCTGCTGGTGTCTGGTTGACGCCATGTCCAGAAG  
 CACCTTCAGATCAACCAACGTTTGAGGAGCTGCGCTGATCACACAGGACACGGAGAGCGAGCTGAAGA  
 AGCTGCAGCAGACCAAGAGTACTTCATCATCCAGTACCAGGAGAGCCTCGGGATCCAAGCTCAGTTTGG  
 CCAGCTGGCCAGCTGAACCCCAAGGAGCGCATGAGCAGGGAGACAGCCCTCCAGCAGAAGCAAGTGTCC  
 CTGGAGACCTGGCTGCAGCGAGAGGCACAGACACTGCAGCAGTACCGCGTGGAGCTGGTTGAAAAGCACC  
 AGAAGACCCTGCAGTTGTTGAGGAAGCAGCAGACCATCATCTGGACGACGAGCTGATCCAGTGGAGCG  
 GGGGCAGCAGCTGGCCGGGAACGGGGTCCCCCGAGGGCAGCCTGGACGTGCTGCAGTCCCTGGTGTGAG  
 AAGCTGGCCGAGATCATCTGGCAGAACCGGCAGCAGATCCGCAGGGCTGAGCACCTGTGCCAGCAGCTGC  
 CCATCCCTGGCCCGTGGAGGAGATGTTGGCCGAGGTCAACGCCACCATCACAGACATCATCTCAGCCCT  
 GGTACCAGCACGTTTCATCATCGAGAAGCAGCCTCCTCAGGTCTGAAGACCCAGACCAAGTTCGCGGCC  
 ACCGTGCGCCTGCTGGTGGCGGGGAAGCTGAACGTGCACATGAACCTCCGCAGGTGAAGGCCACCATCA  
 TCAGCGAGCAGCAGGCCAAGTCCCTGCTCAAGAACGAGAACACCCGCAATGATTACAGTGGCCAGATCCT  
 GAACAACCTGCTGGTTCATGGAGTACCACAGGCCACAGGCACCCTCAGTGCACCCTTCAGAAACATGTCA  
 CTGAAAAGAATCAAGCGTCTGACAGACCGGTGCCGAGTCTGTGACGGAGGAGAAGTTCACGGTGTGT  
 TTGAGTCTCAGTTCAGCGTTGGCAGCAACGAGCTGGTGTCCAGGTGAAGACCCTGTCCCTCCCTGTGGT  
 CGTCATTGTTTCATGGCAGCCAGGACCACAATGCTACTGCCACCCTGCTGTGGGACAATGCCTTTGCTGAG  
 CCGGGCAGGGTGCCATTTGCCGTGCCTGACAAGGTGCTGTGGCCGACGCTGTGTGAGGCGCTCAACATGA  
 AGTTCAAGGCTGAGGTGCAGAGCAACCGGGCTTGACCAAGGAGAACCCTCGTGTCTCCGACAGAAACT  
 GTTCAACAGGAGGAGCAACCACCTCGAGGACTACAACAGCATGTCCGTGCTCCTGGTCCAGTTCAACCGG  
 GAGAACTTGCCCGCTGGAATACCTTCTGGCAGTGGTTCGACGGGGTGTGAGGCTGTAAGAAGC  
 ATCATAAGCCCCACTGGAATGATGGGGCCATCTTGGGTTTCGTGAACAAGCAGCAGGCCCATGACCTGCT  
 CATCAACAAGCCAGATGGGACCTTTCTGCTGCGATTTCAGCGACTCGGAAATCGGGGGCATACCATTGCT  
 TGGAAAGTTGACTCCCCGGACCGAAACCTGTGGAATCTGAAGCCATTACCACCTCGGGATTTCTCCATTC  
 GGTCCCTGGCGGACCGCTGGGGATCTGAATTACCTCATCTACGTGTTCCAGACCGACCCAAGGATGA  
 GGTCTTTGCCAAGTACTACACTCTGTACTTGCAAAAGCAGTCGACGGATACGTGAAGCCACAGATCAAG  
 CAAGTGGTCCCTGAGTTTGTCAATGCTTCTGCAGATGCTGGAGCCAACGCCACCTACATGGACCAGGCTC  
 CTTCCCAAGTGGTGTGCCCTCAGGCTCACTACAACATGTACCCACCGAACCCGACCCTGTCTTGAACCA  
 AGATGGTGAATTTGACCTGGATGAGACCATGGATGTTGCCAGGCATGTGGAGGAACTTTTACGCCGGCC  
 ATGGACAGTCTTGACCCCGCCTTTCCCACTGCTGGCTCTTCACTTCTGCCAGAAGCTCCTTGTCTCT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_017064  
**Insert Size:** 2382 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_017064.1</a> , <a href="#">NP_058760.1</a>
<b>RefSeq Size:</b>	3616 bp
<b>RefSeq ORF:</b>	2382 bp
<b>Locus ID:</b>	24918
<b>UniProt ID:</b>	<a href="#">Q62771</a>
<b>Cytogenetics:</b>	10q31
<b>Gene Summary:</b>	member of the STAT family of transcription factors; may mediate the biological actions of several interleukin factors (IL2, IL3, IL7) and growth hormones; may be associated with mammary gland function [RGD, Feb 2006]