

Product datasheet for **RN210986**

Stat3 (NM_012747) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat3 (NM_012747) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stat3
Synonyms:	MGC93551
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210986 representing NM_012747
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCAGTGGAAACAGCTCCAGCAGCTGGACACGCGCTACCTGGAGCAGCTTCATCAGCTGTACAGCG
 ATAGCTTCCCATGGAGCTGCGGCAGTTCTGGCGCCTTGGATTGAGAGCCAAGATTGGGCATATGCAGC
 CAGCAAAGAGTCACACGCCACTCTGGTGTTCATAACCTCTTGGGCGAGATCGACCAGCAGTATAGCCGA
 TTCCTGCAGGAGTCCAATGTCCTCTATCAGCACAACTGCGAAGAATCAAGCAGTTCCTGCAGAGCAGGT
 ATCTTGAGAAGCCAATGGAAATTGCCCGGATTGTGGCCGATGCCTGTGGGAAGAGTCTCGCCTCTCCA
 GACGGCAGCCACGGCAGCCAGCAAGGGGGCCAGGCCAACCCCCACAGCTGCCGTAGTGACGGAGAAG
 CAGCAGATGCTGGAACAGCATCTCAGGATGTCCGGAAGCGTGTGCAGGATCTAGAACAGAAAATGAAAG
 TGGTGGAGAATCTCCAGGATGACTTTGATTTCAACTATAAAACCCTCAAGAGTCAAGGAGACATGCAGGA
 TCTGAATGGAACAACAGTCTGTGACCAGACAGAAGATGCAGCAGCTGGAGCAGATGCTCACGGCCCTG
 GACCAGATGCGGAGGAGCATCGTGAGCGAGCTGGCAGGGCTCTTGTGAGCAATGGAGTACGTGCAGAAGA
 CACTGACCAGTGAAGAGCTGGCTGACTGGAAGAGGCGGCAGCAGATAGCGTGCATCGGAGGCCCTCCCAA
 CATCTGCCTGGACCGTCTGGAAGTGGATAAATTATTAGCAGAATCTCAACTTCAGACCCGCCAACAA
 ATTAAGAAACTGGAGGAGCTGCAGCAGAAAGTGTCTACAAGGGGGACCCATTGTGCAGCACCGGCCAA
 TGCTGGAGGAGAGGATCGTGGATCTGTTCAAGAACTTAATGAAGAGTGCCTTCGTGGTGGAGCGGCAGCC
 CTGTATGCCCATGCACCCGACCGGCCCTTAGTCATCAAGACTGGTGTCCAGTTTACCACAAAAGTCAGG
 TTGCTGGTCAAATTTCTGAGTTGAATTATCAGCTTAAATTAAGTGTGCATTGATAAAGGACTTGGGG
 ATGTTGCTGCCCTCAGAGGGTCTCGAAATTTAACATTCTGGGCACGAACACAAAGGTGATGAACATGGA
 GGAGTCCAACAACGGCAGCCTGTCTGCAGAGTTCAAGCACCTGACCCTGAGGGAGCAGAGATGTGGGAAT
 GGGGGCCGTGCCAATTGTGATGCCTCCTTGATTGTCACTGAGGAGCTGCACCTGATCACCTTTGAGACAG
 AGGTGTACCACCAAGGTCTCAAGATCGACCTAGAGACCCACTCCTTGCCAGTCTGGTGTCTCCAACAT
 CTGTCAGATGCCTAATGCTTGGGCATCAATCCTGTGGTATAACATGCTGACCAATAACCCCAAGAACGTG
 AACTTCTTCACTAAGCCTCCGATTGGAACCTGGGACCAAGTGGCCGAGGTGCTGAGCTGGCAGTTCTCGT
 CCACCACCAAGCGAGGGCTGAGCATCGAGCAGCTGACCACGCTGGCCGAGAAGCTCTTAGGGCCTGGTGT
 GAACTACTCAGGGTGTGAGATCACATGGGCTAAGTTTTGCAAAGAAAACATGGCCGGCAAGGGCTTCTCG
 TTCTGGGTCTGGCTAGACAATATCATCGACCTTGTGAAAAGTATATCTTGGCCCTTTGGAATGAAGGGT
 ACATCATGGGTTTCATCAGCAAGGAGCGGGAGAGGGCCATCCTAAGCACAAAGCCCCGGGCACCTTCTCT
 GCTGCGGTTTCAGTGAGAGCAGCAAGGAAGGAGGGTCACTTTCCTTGGGTGGAAAAGGACATCAGTGGC
 AAGACCCAGATCCAGTCTGTAGAACCATATACCAAGCAGCAGCTGAACAACATGTCAATTTGCTGAAATCA
 TCATGGGCTATAAGATCATGGACGCTACCAACATCCTGGTATCCCCACTGGTCTACCTCTACCCTGACAT
 TCCAAGGAGGAGGCAATTCGAAAGTATTGTGCCCCGAGAGCCAGGAGCACCCCTGAAGCTGACCCAGGT
 AGTGCTGCCCTTACCTGAAGACCAAGTTCATCTGTGTGACACCAACGACCTGCAGCAATACCATTGACC
 TGCCGATGTCCCCCGCACTTTAGATTATTGATGCAGTTTGGAAATAACGGGGAAGGCGCTGAGCCCTC
 AGCAGGAGGGCAGTTTGAGTCGCTCACGTTTGACATGGATCTGACCTCGGAGTGTCTACCTCCCCGATG
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012747
Insert Size: 2313 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_012747.2 , NP_036879.1
RefSeq Size:	4457 bp
RefSeq ORF:	2313 bp
Locus ID:	25125
UniProt ID:	P52631
Cytogenetics:	10q31
Gene Summary:	transcription factor that plays a role in induction of gene expression during acute phase response [RGD, Feb 2006]