

Product datasheet for **RR203821**

Stat6 (NM_001044250) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat6 (NM_001044250) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stat6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203821 representing NM_001044250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCTGTGGAGTCTAGTTTCCAAGATGTCACAGAAAACTGCAACGGCTCTATGTTGACTTTCCAC
 AACACCTGCGGCATCTTCTGGCCGAATGGCTGGAGAATCAGCCCTGGGAGTTCCTGGTTGGTTCAGATGC
 TTTCTGTTACAACATGGCTAGTGCCTACTTTCTGCCACTGTCCAGCGTCTTCAGGCCTCTGCAGGAGAG
 CAGGGGAAAGGAAGCAGCCTCTTGCAGCACATCAGCACCTTGGAGAGCATCTATCAGAGGGACCCCTGA
 AGCTGGTGGCCACCATCAGACAAATACTTCAAGGGGAGAAAAAGCTGTTATAGAAGAGTTCACCACCT
 GCCAGGGCCCTTCCATCGAAAGCAGGAAGAACTCAAGTTTACTACAGCCCTGGCAGGCTTCAGCACCGA
 GTAAGGGAGACCAGGATTCTCCGAGAATCTCTGCAGCAGGGGACCAAGACTGCGCAAGTGTCTCTGAAGA
 ACTTGATAGACCCTCCTGCCAATGGCACTGGTCCAAGTGAAGATCTGGCCACGATGCTGCAGGGGACTGT
 GGGGACTTGGAGGCCACCCAGGCTCTAGTGTGAAAAGGATTGAGATTTGGAAGCGGCAACAGCAGCTG
 GCAGGGAATGGCACACCTTTGAGGAGAGCCTGGCAGGGCTGCAGGAGAGGTGTAAAGCCTGGTGGAAA
 TTTATTCCAGCTGCAGCAGGAGATTGGAGCAGCCAGTGGGGAGCTTGAGCCCAAGACCCGGGCATCGCT
 CATAAGCCGTCTGGATGAAGTCCTGCGAACCTTGTGACCAGCTTTTCTGTTGGAGAAGCAGCCCCCA
 CAGGTTCTGAAGACACAGACTAAGTTTTCAGGCTGGGGTTCGATTCCTACTGGGTCTGCAGTTCCTAGGGA
 CCTCAGCCAAGCCTCCACTGGTCAAGCTGACATGGTGACAGAGAAAACAGGCCAGAGAATAAGCCTGCC
 CCAGGGGTCTGGGGCTGGAGTGGAGAGCACAGGAGAGATCATGAACAATACTGTACCTCTGGAGAACAGT
 GTTCTGGAACTGTGCTCTGCCCTCTCAAGAACCTGCTCCTGAAGAAAATCAAGCGCTGTGAGCCCAA
 AAGACCTCATCCAGCTTCAGGCCTGTCTGCCCCTGGTGGTTCATCGTTTATGGCAACCAAGACAAC
 AATGCCAAAGCTACCATCCTGTGGGATAATGCCTTCTCTGAGATGGACCGAGTGCCTTTTGTGGTAGCTG
 AGCGAGTGCCTGGGAGAAAATGTGTGAACTCTGAACCTCAAGTTTATGGCTGAGGTGGGGACCAGCCG
 GGGACTGCTACCAGAACACTTCTGTTCTGGCCAGAAGATCTTCAATGACAACAGCCTTAGCATAGAG
 GCCTTTCAGCACCCTGTGTCTTGGTCAAGTTCACCAAGGAGATTCTACTGGCCGAGGCTTCACTT
 TTTGGCAGTGGTTTATGAGTGTCTGGACCTCACTAACGCTGTCTTCCGAGCTACTGGTCAGATCGGCT
 GATCATCGGCTTATCAGTAAGCAATATGCTACTAGCCTTCTCCTCAACGAGCCAGATGGAACCTTCTC
 CTCGGCTTTAGCGACTCTGAGATTGGGGGCATCACCATTGCCATGTCATCCGGGTGAGGATGGCTCCT
 CACAGATAGAGAACATCCAGCCGTTTTCTGCCAAAGACCTATCCATTGCTCACTGGGGGACCGAATCCG
 AGATCTTGCTCAATTAACCACTTACCCCAAGAAACCAAGGATGAGGCTTTTCGGAGCCACTATAAG
 CCGAACAGATGGGAAAGGACGGGAGGGGTTATGTCTCAACTACTATCAAGATGACTGTGAAAAGGGACC
 AGCCCTTCTACTCCAGAGCCCGAGATGCCTGCCATGGTGGCCCTTATGATCTTGGAAATGGCCCTGA
 TGCTTCCATGCAACTCAGCTCAGATATGGTGTATCCTCCACAGTCTCATTCCATCCACTCATTTCAGAGC
 ATCCCCCTAGAAGAGTCCATGAGTGTACTGCCACCCTTTCAGGAGCCTCACCTCCAAATGCCCCCAACA
 TGAGCCAGATAAGCATGCCCTTTGACCAGCCTCATCCCCAGGGCCTGCTCCAGTGCAGTCCCAGGAGCA
 TGCGGTGTCAGCCCTGAACCTTGTGTGTTTCCAGATGTCATATGGCGGAAGACAGCTGCCTAATCAG
 CCTGTGCAAGGTTTTCCCCAGGGCACCTGGGTGAGGAGGATGTACCCTCCCTGATGCTCCCACTG
 AACAGGACCTCACCAAGCTTCTCCTAGAGGGCCAAGGGGAAGGTGGAGGATCCATAGGGACTCAGCCCT
 CCTGCAACCATCTTCTTATGGGCAATCGGGATCTCAATGTCCCACCTGGACCTAAGGACCAACCCAGT
 TGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203821 representing NM_001044250
Red=Cloning site Green=Tags(s)

MSLWLSVSKMSPEKLQRLVYDFPQHLRHLLAEWLENQPWEFLVGSDAFCYNMASALLSATVQRLQASAGE
QKGSSLLQHISTLESYQRPDLKLVATIRQILQGEKKAVIEEFHHLPGPFHRKQEELKFTTALGRLQHR
VRETRILRESLQQGKTQAQVSLKNLIDPPANGTGPSEDLATMLQGTVDLEATQALVLKRIQIWKRQQQL
AGNGTPFEESLAGLQERCESLVEIYSQLQQEIGAASGELEPKTRASLISRLDEVLRITLVSSFLVEKQPP
QVLKTQTKFQAGVRFLGLQFLGTSAPPLVRADMVTEKQARELSLPQSGAGVESTGEIMNNTVPLENS
VPGNCCSALFKNLLKKIKRCERKGTESVTEEKCAVLFTSFMLGPNKHLIQLQALSLPLVVIHGNQDN
NAKATILWDAFSEMDRVPFVAERVPWEKMCETLNLKFMAEVGTSRGLLPEHFLFLAQKIFDNLNSLIE
AFQHRCVSWSQFNKEILLGRGFTFWQWFDGVLDTKRCLRSYWSDRLLIGFISKQYVTSLLLNEPDGTF
LRFSDSEIGGITIAHVIRGQDGSQIENIQPFSKDLIRSLGDRIRDLAQLKNLYPKPKDEAFRSHYK
PEQMGKDRGYVSTTIKMTVERDQPLTPPEPQMPAMVAPYDLGMAPDASMLSSDMVYPPQSHSIHSFQS
IPLEESMSVLPFQEPHLQMPPTMSQISMPFDQPHPQGLLQCQSQEHAVSSPELLCSDVTMAEDSCLTQ
PVQGFPPQGTWVSEGMYPPLMPPTEQDLTKLLLEGQEGGGSIGTQPLLQPSYQSGISMSHLDLRTNPS
W

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

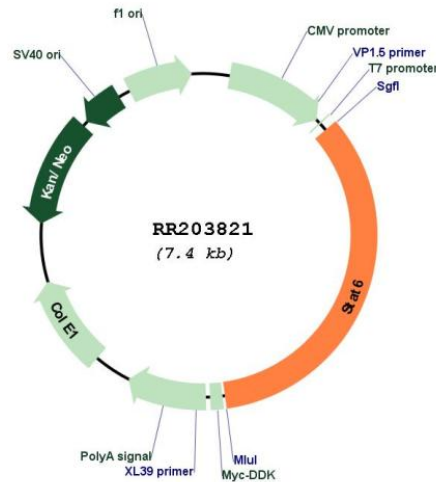
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001044250

ORF Size: 2523 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001044250.1](#), [NP_001037715.1](#)

RefSeq Size: 2635 bp

RefSeq ORF: 2526 bp

Locus ID: 362896

Cytogenetics: 7q22

MW: 93.9 kDa