

Product datasheet for **MR231078**

Stat1 (NM_001205313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat1 (NM_001205313) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stat1
Synonyms:	2010005J02Rik; AA408197
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>MR231078 representing NM_001205313
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCACAGTGGTTCGAGCTTCAGCAGCTGGACTCCAAGTTCCTGGAGCAGGTCCACCAGCTGTACGATG
ACAGTTTCCCATGGAAATCAGACAGTACTGGCCAGTGGCTGGAAAAGCAAGACTGGGAGCACGCTGC
CTATGATGTCTCGTTTGCACCATCCGCTTCCATGACCTCCTCTCACAGCTGGACGACCAGTACAGCCGC
TTTTCTCTGGAGAATAATTTCTTGTTCAGCACAACATACGAAAAGCAAGCGTAATCTCCAGGATAACT
TCCAAGAAGATCCCGTACAGATGCCATGATCATCTACAACCTGTCTGAAGGAAGAAAGGAAGATTTTGA
AAATGCCCAAAGATTTAATCAGGCCCAGGAGGAAATATTCAGAACACTGTGATGTTAGATAAACAGAAG
GAGCTGGACAGTAAAGTCAGAAATGTGAAGGATCAAGTCATGTGCATAGAGCAGGAAATCAAGACCTAG
AAGAATTACAAGATGAATATGACTTTAAATGCAAAACCTCTCAGAACAGAGAAGGTGAAGCCAATGGTGT
GGCGAAGAGCGACCAAAAACAGGAACAGCTGCTGCTCCACAAGATGTTTTAATGCTTGACAATAAGAGA
AAGGAGATAATTCACAAAATCAGAGAGTTGCTGAATTCATCGAGCTCACTCAGAACACTCTGATTAATG
ACGAGCTCGTGGAGTGGAAAGCGAAGGCAGCAGAGCGCCTGCATCGGGGGACCGCCCAACGCTGCCTGGA
TCAGCTGCAAAGCTGGTTCACCATGTTGCAGAGACCCTGCAGCAGATCCGTGAGCAGCTTAAAAAGCTG
GAGGAGTTGGAACAGAAATTCACCTATGAGCCGACCCTATTACAAAAACAAGCAGGTGTTGTCAGATC
GAACCTTCTCCTCTTCCAGCAGCTCATTAGAGCTCCTTCGTGGTAGAACGACAGCCGTGCATGCCAC
TCACCCGAGAGGCCCTGGTCTTGAAGACTGGGTACAGTTCAGTGTCAAGCTGAGACTGTTGGTGA
TTGCAAGAGCTGAACTATAACTTGAAGTGAAGTCTCATTGACAAAGATGTGAACGAAAAACACAA
TTAAAGGATTTGGAAGTTCACATCTTGGGTACGCACACAAAAGTGAACATGGAAGAATCCACCA
CGGAAGTCTGGCAGCTGAGTTCGACACCTGCAACTGAAGGAACAGAAAACGCTGGGAACAGAATAAT
GAGGGGCTCTCATTGTACCGAAGAATTCACTCTTCTTCTGCTTGAACCCAGTTGTGCCAGCCAGGCT
TGGTGATTGACCTGGAGGTCTTTGTTCCCTTTCAGACCACCTCTTCTGCTGCTGGTGTCTCCAACGT
CAGCCAGCTCCCGAGTGGCTGGGCGTCTATCCTGTGGTACAACATGCTGGTGACAGAGCCAGGAATCTC
TCCTTCTCTGAACCCCGTGCAGTGGTGGTCCCAGCTCTCAGAGGTGTTGAGTTGGCAGTTTTTCAT
CAGTCACCAAGAGAGGTCTGAACGCAGACCAGCTGAGCATGCTGGGAGAGAAGCTGCTGGGCCCTAATGC
TGGCCCTGATGGTCTTATCCATGGACAAGTTTTGTAAGGAAAATTAATGATAAAAAATTTCTCCTTC
TGGCCTTGGATTGACACCATCTAGAGCTCATTAGAAGCACCTGCTGTGCCTCTGGAATGATGGGTGCA
TTATGGGCTTCATCAGCAAGGAGCGAGAACCGCTCTGCTCAAGGACCAGCAGCCAGGGAGCTTCCCTGCT
TAGATTAGTGAGAGCTCCCGGAAGGGGCCATCACATTCACATGGGTGGAACGGTCCCAGAACGGAGGT
GAACCTGACTTCCATGCCGTGGAGCCCTACACGAAAAAAGAACTTTCAGCTGTTACTTTCCAGATATTA
TTCGCAACTACAAAGTCAATGGCTGCCGAGAACATACCAGAGAAATCCCTGAAGTATCTGTACCCCAATAT
TGACAAAGACCACGCCTTGGGAAGTATTATCCAGACCAAGGAAGCACCAGAACCAGTGGAGCTTGAC
GACCCTAAGCGAACTGGATACATCAAGACTGAGTTGATTTCTGTGTCTGAAGTCCACCCTCTAGACTTC
AGACCACAGACAACCTGCTTCCCATGTCTCCAGAGGAGTTGATGAGATGTCCCGGATAGTGGGCCCGA
ATTTGACAGTATGATGAGCACAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231078 representing NM_001205313
 Red=Cloning site Green=Tags(s)

MSQWFELQQLDSKFLEQVHQLYDDSPMEIRQYLAQWLEKQDWEHAAVDVSFATIRFHDLLSQLDDQYSR
 FSLENNFLLQHNIRKSKRNLQDNFQEDPVQMSMIYNCLKEERKILENAQRFNQAQEGNIQNTVMLDKQK
 ELDSKVRNVKQVMCIEQEIKTLEELQDEYDFKCKTSQNREGEANGVAKSDQKQEQLLLHKMFLMLDNKR
 KEIIHKIRELLNSIELTQNTLINDELVEWKRRQQSACIGGPPNACLDQLQSWFTIVAETLQQIRQQLKKL
 EELEQKFITYEPDPITKNKQVLSDRTFLLFQQLIQSSFVVERQPCMPHPQRPLVLKTGVQFTVKLRLLVK
 LQELNYNLKVKVSFDKDVNEKNTVKGFRKFNILGTHTKVMNMEESTNGSLAAEFRHLQLKEQKNAGNRTN
 EGPLIVTEELHLSLSEFETQLCQPLVIDLEVFVPFQTTSLPVVVISNVSQPSGWASILWYNMLVTEPRNL
 SFFLNPPCAWWSQLSEVLSWQFSSVTKRGLNADQLSMLGEKLLGPNAGPDGLIPWTRFKENINDKNFSF
 WPWIDTILELIKHHLLCLWNDGCMGFISKERERALLKDQQPGTFLLRFSESSREGAITFTWVERSQNGG
 EPDFHAVEPYTKKELSAVTFPDIIRNYKMAAENIPENPLKYL YPNIDKDHAFGKYYSRPKEAPEPEMELD
 DPKRTGYIKTELISVSEVHPSRLQTTDNLLPMSPEEFDEMSRIVGPEFDSMMSTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

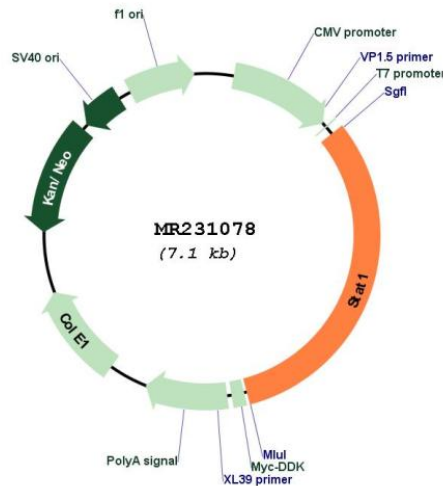
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001205313

ORF Size: 2265 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_001205313.1](#), [NP_001192242.1](#)

RefSeq Size: 5150 bp

RefSeq ORF: 2268 bp

Locus ID: 20846

Cytogenetics: 1 26.81 cM

MW: 88.5 kDa