

Product datasheet for **MR227437**

Stat1 (NM_009283) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat1 (NM_009283) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stat1
Synonyms:	2010005J02Rik; AA408197
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry2 (PS100063)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR227437 representing NM_009283
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCACAGTGGTTTCGAGCTTCAGCAGCTGGACTCCAAGTTCCTGGAGCAGGTCCACCAGCTGTACGATG
ACAGTTTCCCATGGAAATCAGACAGTACTGGCCAGTGGCTGGAAAAGCAAGACTGGGAGCACGCTGC
CTATGATGTCTCGTTTGCACCATCCGCTTCCATGACCTCCTCTCACAGCTGGACGACCAGTACAGCCGC
TTTTCTCTGGAGAATAATTTCTTGTTCAGCACAACATACGAAAAGCAAGCGTAATCTCCAGGATAACT
TCCAAGAAGATCCCGTACAGATGCCATGATCATCTACAACCTGTCTGAAGGAAGAAAGGAAGATTTTGA
AAATGCCCAAAGATTTAATCAGGCCCAGGAGGAAATATTCAGAACACTGTGATGTTAGATAAACAGAAG
GAGCTGGACAGTAAAGTCAGAAATGTGAAGGATCAAGTCATGTGCATAGAGCAGGAAATCAAGACCTAG
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GGCGAAGAGCGACCAAAAACAGGAACAGCTGCTGCTCCACAAGATGTTTTAATGCTTGACAATAAGAGA
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TCAGCTGCAAAGCTGGTTCACCATGTTGCAGAGACCCTGCAGCAGATCCGTGAGCAGCTTAAAAAGCTG
GAGGAGTTGGAACAGAAATTCACCTATGAGCCCGACCCTATTACAAAAACAAGCAGGTGTTGTCAGATC
GAACCTTCTCTCTTCCAGCAGCTCATTAGAGCTCCTTCGTGGTAGAACGACAGCCGTGCATGCCAC
TCACCCGAGAGGCCCTGGTCTTGAAGACTGGGTACAGTTCAGTGTCAAGCTGAGACTGTTGGTGA
TTGAAGAGCTGAACTATAACTTGAAGTGAAGTCTCATTGACAAAGATGTGAACGAGAAAAACACAA
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CGGAAGTCTGGCAGCTGAGTTCGACACCTGCAACTGAAGGAACAGAAAACGCTGGGAACAGAATAAT
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TGGTGATTGACCTGGAGACCACCTCTTCTCTGCTGGTGTGATCTCCAACGTGAGCCAGCTCCCCAGTGG
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CCGTGCGCGTGGTGGTCCAGCTCTCAGAGGTGTTGAGTTGGCAGTTTTTCATCAGTCACCAAGAGAGGTC
TGAACGCAGACCAGCTGAGCATGCTGGGAGAGAAGCTGCTGGGCCCTAATGCTGGCCCTGATGGTCTTAT
TCCATGGACAAGGTTTTGTAAGGAAAATTAATGATAAAAATTTCTCTTCTGGCCTTGGATTGACACC
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AGGAGCGAGAACGCGCTCTGCTCAAGGACCAGCAGCCAGGGACGTTCTCTGCTTAGATTAGTGGAGGCTC
CCGGGAAGGGGCCATCACATTCACATGGGTGGAACGGTCCCAGAACGGAGGTGAACCTGACTTCCATGCC
GTGGAGCCCTACACGAAAAAAGAACTTTTCACTGTTACTTTCCAGATATTATTGCAACTACAAAGTCA
TGGCTGCCGAGAACATACCAGAGAATCCCTGAAGTATCTGTACCCCAATATTGACAAAGACCACGCCTT
TGGGAAGTATTATTCCAGACAAAGGAAGCACCAGAACCAGTGGAGCTTGACGACCCTAAGCGAACTGGA
TACATCAAGACTGAGTTGATTTCTGTGTCTGAAGTCCACCCTTCTAGACTTCAGACCACAGACAACCTGC
TTCCATGTCTCCAGAGGAGTTTGTGATGATGTCCCGGATAGTGGGCCCGAATTTGACAGTATGATGAG
CACAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227437 representing NM_009283
 Red=Cloning site Green=Tags(s)

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MSQWFELQQLDSKFLEQVHQLYDDSPMEIRQYLAQWLEKQDWEHAAVDVSFATIRFHDLLSQLDDQYSR
FSLENNFLQHNIRKSKRNLDQNFQEDPVQMSMIYNCLKEERKILENAQRFNQAQEGNIQNTVMLDKQK
ELDSKVRNVKDQVMCIEQEIKTLEELQDEYDFKCKTSQNREGEANGVAKSDQKQEQLLLHKMFLMLDNKR
KEIIHKIRELLNSIELTQNTLINDELVEWKRRQQSACIGGPPNAQLDQLQSWFTIVAETLQQIRQQLKKL
EELEQKFITYEPDPITKNKQVLSDRFTLLFQQLIQSSFVVERQPCMPHPQRPLVLTGTVQFTVKLRLLVK
LQELNYNLKVVSFDKDVNEKNTVKGFRKFNILGTHTKVMNMEESTNGSLAAEFRLQLKEQKNAGNRTN
EGPLIVTEELHLSLSEFETQLCQPGLVIDLETTSLPVVVISNVSQPSGWASILWYNMLVTEPRNLSFFLNP
PCAWWSQLSEVLSWQFSSVTKRGLNADQLSMLGEKLLGPNAGPDGLIPWTRFCKENINDKNFSFWPWIDT
ILELEIKHLLCLWNGCIMGFISKERERALLKDQQPGTFLLRFSESSREGAITFTWVERSQNGGEPDFHA
VEPYTKKELSAVTFPDIIRNYKVMMAENIPENPLKYL YPNIDKDHAFGKYYSRPKEAPEPEMELDDPKRTG
YIKTELISVSEVHPSRLQTTDNLLPMSPEEFDEMSRIVGPEFDSMMSTV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/jc1394_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009283

ORF Size: 2247 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:	<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:	<u>NM_009283.4</u>
RefSeq Size:	5217 bp
RefSeq ORF:	2250 bp
Locus ID:	20846
Cytogenetics:	1 26.81 cM
MW:	87.8 kDa