

Product datasheet for **MR225472**

Stat2 (NM_019963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat2 (NM_019963) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stat2
Synonyms:	1600010G07Rik; AW496480
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225472 representing NM_019963
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGTGGGAGATGTTGCAGAACCTTGACAGCCTGTTCTGGACCAGTTACACCAGGTCTACTCAC
 AGAGCATCCTGCCAATGGACGTTTCGACAGCATTGGCTACCTGGATTGAAGACCAGAAGTGGAGGGAAGC
 TGGCTGGGCAAGTATGACGCAAGGCCAACATGCTATACTTCAGCATCCTGGACCAACTGAACCAAGTGG
 GACCACTACAGCTCAGACTCCAATCACTTTTTATTACAGCATAACTTGCGAAAATTCAGCCGGGATATTC
 AGACCTTTCCCAATGGCCCTACCCAGTTGGCTGAGATGATCTTTAATCTTCTTCTGGAAGAGCAAAGGAT
 TCTGAATCAGGCTCAAAGAGCTCAAGAGGTGCAGCCCCACCAGCCCCGAAGCAGTTGTGGAGAGCCAG
 CAGCTTGAGATTGAAAATCGAATCCAGGGTTACATGTGGACATTGAGTTCTTGGTGGAGATCCATCAGGC
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 AGACCCCATCAGAGCCAACAGGCGCAGCTTGTGCAGGCAACAGCCAACAAGTGCAGAGAATGAGAAAAG
 GAGGTGCTGGACATCTCCAAGGACTGGTTGGCCGATTAAACCACCTGGTTCGACCTATTGCTGCCCAAGC
 TGGACGAGTGAAGGTGCAGCAGCAGAAGTCTGCATTGGAGCCCCGCCCCCGAGCTGCAGCTGGAACA
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 GAGATGAGTCACATGCTTCGGTATAAGGGTGACATGTTTGGCCAAGGGGTGGACCTGCAGAATGCCCAAG
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 AGTTCAACATTTGACCTCAAACCAAAAAACCTTGACCCCGGAGGAGGGCCAGAGACAGGGCTTAATTTG
 GGACTTCGGCTTCTTACTCTGGTGGAGCAACCGCTGTGGGTGCAGGAAAGGGCAACAAGGGGCCGCTG
 GCAGTGACAGAGGAGTTACATGTCATCAGCTTCGTGGTTGAGTACGTGTACCAGGGTCTGAAGATGAAGC
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 TCTCTGGTTCAACATGCTCAGCCAAAATCCCAAGAACCAGCAGTTCTTCTGCCAAGCTCCGAAAGCCCC
 TGGAGTTTGTGGGACCTGTGCTCAGCTGGCAGTTCTCCTTACGTTGGCCGAGGCCTCGATTCTGAGC
 AGCTGGGCATGCTGAGAACAAGCTGTTTGGAAAGAGCTGCAAGATGGAGGATGCGCTGTTGTCTGGGT
 AGACTTTTGAAGCGAGAGAGCCCCCTGGTAAGATCCCTTTCTGGACCTGGCTGGACAAAATTCTGGAG
 CTGGTGCAGCACCTGAAGGATCTCTGGAAGGATGGGCGCATCATGGGCTTTGTGAGCCGAACCAGG
 AACGCAGACTGCTGAAGAAGATGTTGTCTGGCACCTTCTACTGCGCTTCAAGTAACTTCTGAAGGGGG
 CATTACTTGTCTTGGGTGGAGCACCAGGATGACGATAAAGTCAAACTACTCAGTGCAGCCCTACACC
 AAGGAAGTGTACAGTCACTCCCACTGACAGAGATCATCCGCCACTACCAGGTTCTTGGCAAGAGAACA
 TCCCCGAGAACCCTCCGCTTCTCTATCCCCGAATCCCTCGGGACGAAGCTTTTGGGTGTTACTACCA
 GGAAAAAGTTAATTTTGAAGAACAGAGGAAATATTTGAAACATAAACTCATTGTGATCTCTAACAGACAG
 GTGGACGAGCTGCAGCAGCCTCTGGAGCTCAAACAGGATTCAGAGTCCTTAGAAGTGAATGCAGAGCTCT
 TGTTAGCACACGACCAGGAGTTGCCATTGATGATGCAGACTGGCTGGTTCTGGGCACAGAGCTGAAAGT
 GGACCCATACTGAGTACAGCCCCACAAGTCTGCTGGAGCCAGCCCCACAAGTCTGCTGGAGCCAGCC
 CACAAGTCCCGCTGGAGCCAGCCCCACAAGTCTGCTGGAGCCAGCCCCACAAGTCTGCTGGAGCCAG
 CCCCCACAAGTCTGCTGGAGCCAGCCCCACAAGTCTGCTGGAGCCAGCCCCACAAGTCCAGCTGGAGCC
 AGCCCCACAAGTCTGCTGGAGCTAGCCCCACAAGTCTGCTGGAGCCAGCCCCACAAGTCTGCTGGAG
 CTAGCCCCACAAGTCCAGCTGGAGCCAGCACACTTGTGTCAGCAGCCATCAGAGTCAAGTTTGCCTGAGG
 ACCTGCAGCAGATTAGCGTGGAGGATCTGAAAAAATTAAGCAACCCGAGTACTGAATACATCACAAACCA
 CGAAAACCCAATGTTGGCTGGCGAGAGCAGTGGAGATGAGACTTCCATACCCTACCACAGCCATTTGAT
 GCGGATGGACTCTGGGATGGACTCTTGATACCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATTAAGGTTTAA

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_019963

ORF Size: 2766 bp

OTI Disclaimer: 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.

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](#)

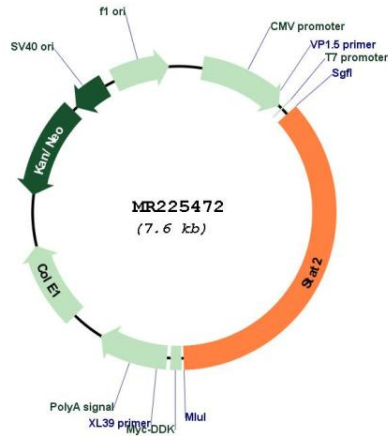
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_019963.2](#)
 RefSeq Size: 4402 bp
 RefSeq ORF: 2769 bp
 Locus ID: 20847
 Cytogenetics: 10 76.5 cM
 MW: 105.8 kDa

Product images:



Circular map for MR225472