

Product datasheet for **MG206419**

Sigirr (NM_023059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sigirr (NM_023059) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sigirr
Synonyms:	AI256711; TIR8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206419 representing NM_023059 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGTGTCTGTGACATGGCCCTAATTTCTTTCCCATCTGAAGACCAGGCCTTGGGTCTTGCC
TTGGCAGAGAAGTTGCTTTGAATTGCACAGCTTGGGTGTTCTCTAGGCCAGTGTCCCAGCCATCAGT
GCAGTGGCTGAAAGATGGTCTGGCATTGGGCAATGGAAGCCACTTCAGCCTCCATGAGGACTTCTGGGC
AGCGCCAACTTCTCAGAGATTGTGTCCAGTGTCCCTGGTGTCACTTGGCGAGCTGGCCCTGCTGGCCA
CCTTACCTGTTCTGTCTGGAATGTCAGCTCCATTCTTCACTCTTTGGCGAGCTGGCCCTGCTGGCCA
TGTGGCTGCAGTACTGGCTTCCCTCCTGGTCTGGTGGTCTGTGCTGCTGGTGGCCCTGCTCTATGTTAAG
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GTTGGAGCGCGCTCGGGGATACAACTCTTCTAGAGGACCGGACCTCTTGCTCGCGCGGAGCCCTCT
GCCGACCTTTTGGTGAACCTGAGTCGCTGTCCGGCTCTCATCGTGGTCTTTTTCAGATGCCTTCTAAGCC
GGCCCTGGTGTAGCCAGAGCTTCCGGGAGGGACTGTGCCGCTACTGGAGCTCACCCGACAGCCTATCTT
CATCACCTTTGAGGGCCAGAGCGGTGAGCCATACACCCTGCTCTCCGGCTCTGCGCCAGCACCGCCAC
CTCGTGACCCTGGTCTTTGGAAGCCTGGCTCCGTGACTCCTTCTGATTTTTGGAAAGAGCTACAGC
TAGCACTGCCACGGAAGGTGCAGTACAGCCGGTGGAGGGAGACCCTCAAACCCGACTTCAGGATGACAA
AGATCCCATGCTAATCGTGAGAGGACGTGCTGCCAGGGCCGGGCATGGAGTCAGAGCTGGATCCAGAC
CCTGAGGGAGACCTGGGTGTCCGTGGACCTGTCTTTGGGGAGCCACCACTCCACTGCAGGAAACCAGGA
TCTGCATAGGAGAGAGCCACGGCAGTAAATGGATGTCTCTGACCTCGGCTCTCGAACTACAGTGCACG
GACAGACTTCTACTGCCTCGTGTCTGAGGATGATGTG

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206419 representing NM_023059
 Red=Cloning site Green=Tags(s)

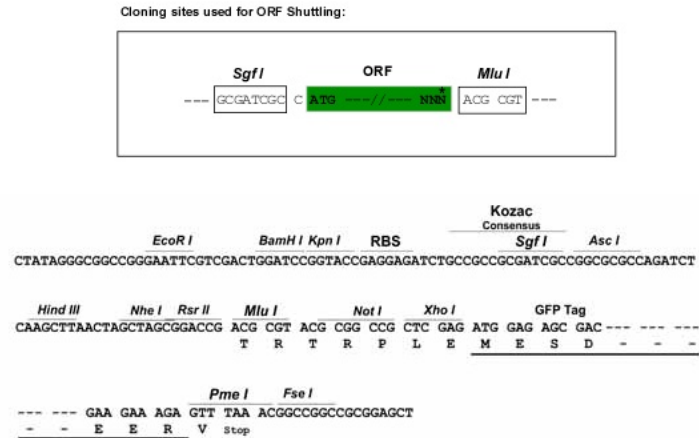
MAGVCDMAPNFLSPSEDQALGLALGREVALNCTAWVFSRPQCPQPSVQWLKDGLALGNLSHFSLHEDFW
 SANFSEIVSSVLVLNLNAEDYGTFTCSVWNVSSHSFTLWRAGPAGHVAASLLVLLVLLVALLYVK
 CRLNMLLWYQDTYGEVEMNDGKLYDAYVSYSDCPEDRKFVNFILKPQLERRRGYKLFLEDRDLLPRAEPS
 ADLLVNL SRCRRLIVLSDAFLSRPWCSQSFREGLCRLELTRRPIFITFEGQRREPIHPALRLLRQHRH
 LVTLLVWKPGSVTPSSDFWKEQLLALPRKVQYRPEGDPQTRLQDDKDPMLIVRGRAAQGRMESELDPD
 PEGDLGVRGPFVGEPTPLQETRICIGESHGSEMDVSDLGSRNYSARTDFYCLVSEDDV

TRTRPLE - GFP Tag - V

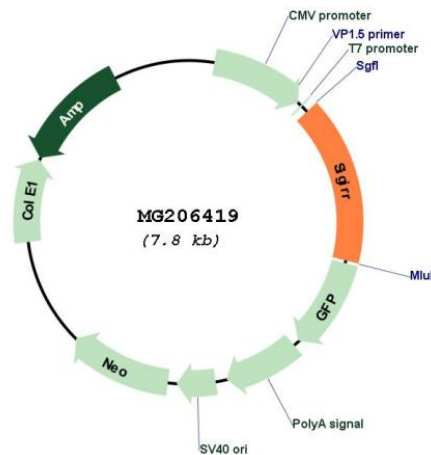
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023059

ORF Size:	1227 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:	NM_023059.3
RefSeq Size:	1993 bp
RefSeq ORF:	1230 bp
Locus ID:	24058
UniProt ID:	Q9JLZ8
Cytogenetics:	7 F5
Gene Summary:	Acts as a negative regulator of the Toll-like and IL-1R receptor signaling pathways. Attenuates the recruitment of receptor-proximal signaling components to the TLR4 receptor, probably through an TIR-TIR domain interaction with TLR4. Through its extracellular domain interferes with the heterodimerization of IL1R1 and IL1RAP (By similarity).[UniProtKB/Swiss-Prot Function]