

Product datasheet for **MG208118**

Srp54 (BC019683) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srp54 (BC019683) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Srp54
Synonyms:	54kDa; Srp54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208118 representing BC019683
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCTAGCAGATCTTGAAGAAAAAATACATCAGCATTACGCTCATTGAGCAATGCCACCATTATCA
 ATGAAGAGGTATTAATGCTATGCTGAAAGAAGTATGTACAGCATTATTGGAAGCAGATGTTAATATTAA
 ACTAGTGAAGCAACTCAGAGAAAATGTTAAGTCTGCAATTGATCTTGAAGAGATGGCATCTGGACTGAAC
 AAAAGAAAAATGATTCAGCATGCTGATTTAAAGAACTTGTAAAGCTTGTAGACCCTGGAGTTAAAGCGT
 GGACACCGACTAAGGGAAAGCAAATGTGATCATGTTTGTGGATTGCAAGGGAGTGGTAAAACGACAAC
 ATGTTCAAAGTTAGCATATTATTACCAGAGGAAAGTTGGAAGACCTGTTTGATATGTGCAGATACATTC
 AGAGCAGGAGCCTTTGACCAGCTAAAACAGAATGCCACCAAGCAAGAATTCGGTTCTATGGCAGCTATA
 CTGAAATGGATCCTGTCATCATTGCTTCTGAAGGAGTGGAGAAAATCAAAAATGAAAATTTTGAATTAT
 TATTGTTGATACAAGTGGTCGTCACAAACAAGAAGACTCTTTATTTGAAGAAATGCTTCAAGTTTCTAAT
 GCTATACAACCTGATAACATTGTTTATGTGATGGATGCATCCATCGGACAGGCTTGTGAGGCCAGGCGA
 AGGCCTTTAAAGACAAAGTAGATGTAGCTTCAGTAATAGTGACAAAACCTCGACGGTCATGCGAAAGGAGG
 CGGTGCTCTTAGTGACAGTTGCTGCCACAAAAGTCCAATTATTTTTCATTGGTACAGGGGAACATATAGAT
 GATTTTGAACCTTTCAAAACACAACCTTTCATCAGCAAACCTTGGAAATGGGTGATATTGAAGGACTGA
 TTGATAAAGTCAATGAATTGAAGTTGGATGATAATGAGGCACTTATAGAGAAGTTGAAGCACGGTCAGTT
 TACATTGCGAGACATGTATGAACAGTTTCAGAAATTTAATAAATGGGCCATTCAGTCAGATATTGGGG
 ATGATTCCTGGCTTTGGCACAGATTTTATGAGCAAAGGGAATGAGCAGGAGTCAATGGCAAGGCTGAAGA
 AACTGATGACAACTCATGGACAGTATGAACGATCAAGAAGTGGACAGTACAGATGGTCCAAAGTTTTCAG
 TAAGCAACCAGGAGAAATCCAAAGAGTTGCCCGGGATCAGGTGTGTCAACAAGAGATGTTCAAGAACTT
 CTGACCCAGTATACCAAGTTTGCACAGATGGTCAAAAAGATGGGAGGTATCAAAGGACTTTTCAAAGGCG
 GTGATATGTCTAAGAATGTGAGTCAGTCACAGATGGCAAATTAACCAACAAATGGCCAAAATGATGGA
 CCCACGAGTTCTTCATCAGATGGGTGGCATGGCCGGCCTTCAGTCAATGATGCGGCAGTTTCAGCAGGGT
 GCTGCTGGCAACATGAAAGGCATGATGGGATCAATAACATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208118 representing BC019683
 Red=Cloning site Green=Tags(s)

MVLADLGRKITSALRSLSNATIINEEVLNAMLKEVCTALLEADVNIKLVKQLRENVKSAIDLEEMASGLN
 KRKMIQHAVFKELVKLVDPGVKAWPTKQKQNVIMFVGLQSGKTTTCSKLAYYYQRKQWTKCLICADTF
 RAGAFDQLKQNA TKARIPFYGSYTEM DPVIIASEGVKFKNENFEI IIVDTSGRHKQEDSLFEEMLQVSN
 AIQPDNIYVMDASIGQACEAQAKAFKDKVDVASVIVTKLDGHAKGGGALSAVAATKSPIIFIGTGEHID
 DFEPFKTQPFISKLLGMGDI EGLIDKVNELKLDNEALIEKLNKQFTLRDMYEQFNIMKMGPFSSQILG
 MIPGFGTDFMSKNEQESMARLKKLMTIMDSMNDQELDSTDGAKVFSKQPGRIQRVARGSGVSTRDVQEL
 LTQYTKFAQMVKKMGGIKGLFKGGDMSKNVVSQSQMAKLNQQMAKMMDPVRLHMMGMAGLQSMRQFQQG
 AAGNMKGMGFNNM

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI KpnI
RBS
Kozac Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

HindIII
NheI RsrII
MluI
NotI
XhoI
GFP Tag

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

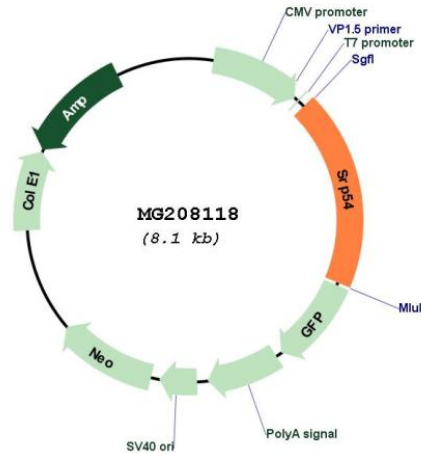
T R T R P L E
M E S D - - -

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:



ACCN: BC019683

ORF Size: 1514 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: [BC019683](#), [AAH19683](#)

RefSeq Size: 2524 bp

RefSeq ORF: 1514 bp

Locus ID: 24067

Cytogenetics: 12 C1