

Product datasheet for **MG210138**

Sorcs1 (BC007486) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorcs1 (BC007486) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sorcs1
Synonyms:	mSorCS; Sorcs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210138 representing BC007486
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTTGGCTAACAAAGATTGACAACCAAGTGAAGACTTTCATCACTTACAACAAAGGCAGAGACT
GGCGTTGCTGCAGGCTCCAGATGCAGATCTAAGGGGGACCCTGTGACTGTTTGTGCTGCTACTGTTT
GCTACACCTTACCTGAAGGTTTCTGAGAATCCCTACACATCCGGGATCATTGCCAGCAGAGACACAGCC
CCAAGTATTATAGTTGCATCAGTAACATAGGCTCTGAGTTGTCAGACAGTGACATCAGCATGTTTGTAT
CTTCAGATGCAGGGAATACTTGGAGGCAGATTTTTGAAGAAGAGCACAGCATTGTACCTTGACCAAGG
TGGAGTCTTGTGCTATGAAACACACATCTCTCCAATTCGACACCTTTGGTTGAGTTTGTATGAAGGG
AGATCTTGGAGCAAATACAGCTTACATCCATTCCACTCTTGTGGATGGAGTCTGGGGGAGCCTGGAG
AAGAGACACTAATCATGACAGTGTGGGACTTCAGTACCCTCCGAATGGCAGCTGGTCAAAGTGGAA
CTACAAGTCCATTTTGTATAGACGCTGTGCTGAAGAAGACTACAGACCCTGGCAGTTGCATAGTCAGGGG
GAAGCATGCATCATGGGAGCCAAGAGGATATACAAGAAGAGAAAGTCTGAGCGCAAGTGTATGCAAGGAA
AGTATGCGGGAGCAATGGAGTCTGAGCCTTGTGTTGTACAGAGGCAGACTTTGACTGTGACTATGGCTA
TGAGAGACATAGTAATGGACAATGCCTGCCAGCATTGTTGGTTCAACCCATCCTCACTGTCAAAGACTGC
AGCTTGGGACAGAGTTACCTCAACAGCACTGGGTATAGGAAGGTGGTCTCCAATAATTGTACTGATGGAG
TGAGGGAGCAGTATACCGCAAACCACAGAAGTGTCCAGGGAAGGCCCTCGTGGGCTGCGGATTGTCAC
TGCAGATGGGAACTGACAGCAGAGCAGGGCCACAATGTCACCTCATGGTGCAGCTGGAAGAGGGTGTAT
GTGAGCGGACTCATCAAGTGGACTTCGGAGATGGCATTGCAGTATCGTATGTCAACCTCAGCTCTA
TGAAGAGCGGGATCAAGCACGTATATCAGAATGTGGGCATTTTCCGAGTGACCGTGCAGGTGGACAACAG
TCTGGGGTCTGACAGCGCGTCTGTACTTACATGTAACCTTGTCCCTGGAGCATGTGCACCTGTCTCTT
CCTTTTGTCAACAAGAAACAAGAGGTCAACGCAACTGCAGTCTTTGGCCAGCCAAGTGGGCACTC
TCACTTACGTGTGGTGTATGGGAACAACAGAGCCCTGATCACCTTGGAGGGAAGCATATCGTTCAA
GTTTACTTCTGAAGGAATGAATACTATCACAGTCCAAGTCTCTGCTGGGAATGCCATACTGCAAGACACA
AAGACCATTGCGGTATACGAGGAATTCGGTCTCTTCGCTTGGCCTTTTCTCAAACCTGGATGACTACA
ACCCTGACATCCCGGAGTGGAGGAGGACATCAGCCGAGTCATAAAAAGTCTCTGGTGGAAAGCCACAGG
GATTCCCAGCCAGCATATCCTGGTGGCGGTGTACCTGGCTTACCCACTGCTGCAGAGCTCTTTGTTTTG
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TCACCTGACAGCAGCTCCACTGGTGGACCTCACTCTACCCACAGCGGATCTGCCATGCTGATGTTGCTC
TCTGTGGTGTGTTGGGGCTTGCTGATTCGTCTCTACAAGTTAAAAGGAAAATCCCGGGATTAATG
TTTATGCCAGATGCAAAATGAGAAAGAACAAGAGCTGATCAATCCAGTCAGCCACTCTGAAAGCAGGTC
CAGTGTCCCTCACCTGACCTCAGGCGGCTGGCCAGCTTGTAGATGAGAAGGTGGAATCCAGCTCCTA
GGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210138 representing BC007486
 Red=Cloning site Green=Tags(s)

MFLANKKIDNQVKTFITYNKGRDWRLQLQAPDADLRGDPVHCLLPYCSLHLHLKVSSENPYTSGIIASRD
 PSIIVASGNIGSELSDSDISMFVSSDAGNTWRQIFEEHSILYLDQGGVLVAMKHTSLPIRHLWLSFDEG
 RSWSKYSFTSIPLFVDGVLGEPGEETLIMTVFGHF SHRSEWQLVKVDYKSI FDRRCAEEDYRPWQLHSQ
 EACIMGAKRIYKKRKSERKCMQGYAGAMESEPCVCTEADFDCDYGYERHSNGQCLPAFWFNPSSLKDC
 SLGQSYLNSTGYRKVVSNNCTDGVREQYTAKPQKCPGKAPRGLRIVTADGKLTAEQGHNVLMVQLEEGD
 VQRTL IQVDFGDGIAVSYYNLSMEDGIKHVYQNVGIFRVTVQVDNSLGSASVLYLHVTCPLEHVHLSL
 PFVTTKNKEVNATAVLWPSQVGLTYVWWYGNTEPLITLEGISFKFTSEGMENTITVQVSAGNAILQDT
 KTIAYVEEFRSLRLAFSPNLDDYNPDIPWRDISRVIKKSLVEATGIPSQHILVAVLPGLPTAAELFVL
 PYQDGTRENKRSSDLEQISEVL IHKLNQNLVHFELKPGVQVLVHAAHLTAAPLVDLTPTHSGSAMLMLL
 SVV FVGLAVFVIYKFKRKIPGINVYAQMONEKEQELINPVSHSESRSSVPHPD LRRPGQLVDEKVESQLL
 GE

TRTRPLE - GFP Tag - V

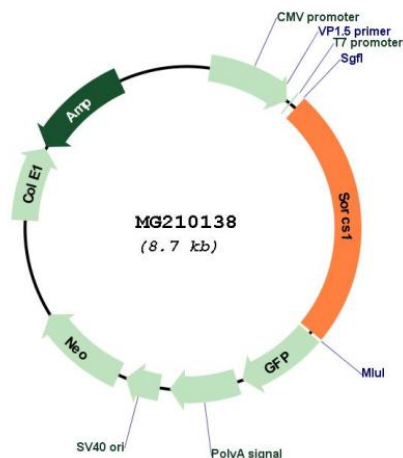
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC007486

ORF Size: 2108 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: [BC007486](#), [AAH07486](#)

RefSeq Size: 2706 bp

RefSeq ORF: 2108 bp

Locus ID: 58178

Cytogenetics: 19 45.05 cM