

Product datasheet for **MR210138**

Sorcs1 (BC007486) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorcs1 (BC007486) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sorcs1
Synonyms:	mSorCS; Sorcs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210138 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTTGGCTAACAAAGATTGACAACCAAGTGAAGACTTTCATCACTTACAACAAAGGCAGAGACT
GGCGTTGCTGCAGGCTCCAGATGCAGATCTAAGGGGGACCTGTGACTGTTTGTGCCCTACTGTTC
GCTACACCTTACCTGAAGGTTTCTGAGAATCCCTACACATCCGGGATCATTGCCAGCAGAGACACAGCC
CCAAGTATTATAGTTGCATCAGTAACATAGGCTCTGAGTTGTCAGACAGTGACATCAGCATGTTTGTAT
CTTCAGATGCAGGAATACTTGGAGGCAGATTTTTGAAGAAGAGCACAGCATTGTACCTTGACCAAGG
TGGAGTCTTGTGCTATGAAACACACATCTCTCCAATTCGACACCTTTGGTTGAGTTTGTGAAAGGG
AGATCTTGGAGCAAATACAGCTTACATCCATTCCACTCTTGTGGATGGAGTCTGGGGGAGCCTGGAG
AAGAGACACTAATCATGACAGTGTGGGACTTCAGTACCCTCCGAATGGCAGCTGGTCAAAGTGGAA
CTACAAGTCCATTTTGTAGACGCTGTGCTGAAGAAGACTACAGACCCTGGCAGTTGCATAGTCAGGGG
GAAGCATGCATCATGGGAGCCAAGAGGATATACAAGAAGAGAAAGTCTGAGCGCAAGTGTATGCAAGGAA
AGTATGCGGGAGCAATGGAGTCTGAGCCTTGTGTTGTACAGAGGCAGACTTTGACTGTGACTATGGCTA
TGAGAGACATAGTAATGGACAATGCCTGCCAGCATTGGTTCAACCCATCCTCACTGTCAAAGACTGC
AGCTTGGGACAGAGTTACCTCAACAGCACTGGGTATAGGAAGGTGGTCTCCAATAATTGTACTGATGGAG
TGAGGGAGCAGTATACCGCAAACCACAGAAGTGTCCAGGGAAGGCCCTCGTGGGCTGCGGATTGTCAC
TGCAGATGGGAACTGACAGCAGAGCAGGGCCACAATGTCACCTCATGGTGCAGCTGGAAGAGGGTGT
GTGACGCGGACTCATCAAGTGGACTTCGGAGATGGCATTGCAGTATCGTATGTAACCTCAGCTCTA
TGAAGACGGGATCAAGCACGTATATCAGAATGTGGGCATTTCCGAGTGACCGTGCAGGTGGACAACAG
TCTGGGGTCTGACAGCGCGTCTGTACTTACATGTAACCTGTCCCTGGAGCATGTGCACCTGTCTCTT
CCTTTTGTCAACAAGAAACAAGAGGTCAACGCAACTGCAGTCTTTGGCCAGCCAAGTGGGCACTC
TCACTTACGTGTGGTGGTATGGGAACAACAGAGCCCTGATCACCTTGGAGGGAAGCATATCGTTCAA
GTTTACTTCTGAAGGAATGAATACTATCACAGTCCAAGTCTCTGCTGGGAATGCCATACTGCAAGACACA
AAGACCATTGCGGTATACGAGGAATTCGGTCTCTTCGCTTGGCCTTTTCTCAAACCTGGATGACTACA
ACCCTGACATCCCGGAGTGGAGGAGGACATCAGCCGAGTCATAAAAAGTCTCTGGTGGAAAGCCACAGG
GATTCCCAGCCAGCATATCCTGGTGGCGGTGTTACCTGGCTTACCCACTGCTGCAGAGCTCTTTGTTTTG
CCCTACCAAGATGGAACCAGAGAAAACAAGGTCTGAGGACCTGGAGCAGATATCTGAAGTCTAA
TCCAAAACCTCAACAAAACCTTGGTGCATTCGAGCTGAAGCCTGGGGTCCAAGTCTTGTCCACGCAGC
TCACTGACAGCAGCTCCACTGGTGGACCTCACTCCTACCCACAGCGGATCTGCCATGCTGATGTTGCTC
TCTGTGGTGTGGGGCTTGCTGATTCGTCTCTACAAGTTAAAAGGAAAATCCCGGGATTAATG
TTTATGCCAGATGCAAAATGAGAAAGAACAAGAGCTGATCAATCCAGTCAGCCACTCTGAAAGCAGGTC
CAGTGTCCCTCACCTGACCTCAGGCGGCTGGCCAGCTTGTAGATGAGAAGGTGGAATCCAGCTCCTA
GGAGAG

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210138 protein sequence
 Red=Cloning site Green=Tags(s)

MFLANKKIDNQVKTFITYNKGRDWRLQLAPDADLRGDPVHCLLPYCSLHLHLKVS ENPYTSGIIASRD
 TAPSIIVASGNIGSELSDSDISMFVSSDAGNTWRQIFEEHSILYLDQGGVLVAMKHTSLPIRHLWLSFDEG
 RSWKYSFTSIPLFVDGVLGEPGEETLIMTVFGHF SHRSEWQLVKVDYKSIDRRCAEEDYRPWQLHSQ
 EACIMGAKRIYKKRKSERKCMQGYAGAMESEPCVCTEADFDCDYGYERHSNGQCLPAFWFNPSSLKDC
 SLGQSYLNSTGYRKVVSNNCTDGVREQYTAKPQKCPGKAPRGLRIVTADGKLTAEQGHNVLMVQLEEGD
 VQRTL IQVDFDGIASVYVNLSSMEDGIKHVYQNVGIFRVTVQVDNSLGS DSAVLYLHVTCPLEHVHLSL
 PFVTTKNKEVNATAVLWPSQVGLTYVWVWYGNTEPLITLEGSISFKFTSEG MNTITVQVSAGNAI LQDT
 KTIAYVEEFRSLRLAFSPNLDDYNPDIPWRDISRVIKKSLVEATGIP SQHILVAVLPGLPTAAELFVL
 PYQDGTRENKRSSDLEQISEVL IHKLNQNLVHFELKPGVQVLVHAAHLTAAPLVDLTPHSGSAMLMLL
 SVV FVGLAVFVIYKFKRKIPGINVYAQMONEKEQELINPVSHSESRSSVPHPD LRRPGQLVDEKVESQLL
 GE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC007486

ORF Size: 2106 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

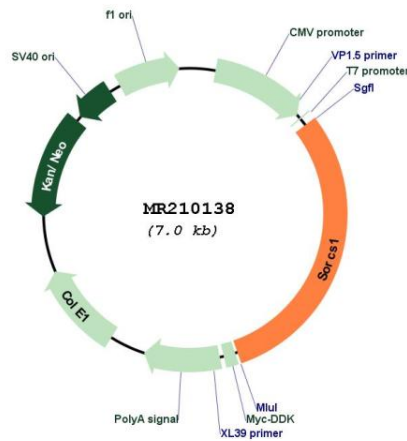
RefSeq ORF: 2108 bp

Locus ID: 58178

Cytogenetics: 19 45.05 cM

MW: 78.5 kDa

Product images:



Circular map for MR210138