

Product datasheet for **MG209764**

Sparcl1 (NM_010097) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sparcl1 (NM_010097) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sparcl1
Synonyms:	Ecm2; hevin; mast9; Sc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209764 representing NM_010097
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGCTGTGCTTCTCCTCTGTGCGCCTTGGGAACCCTGTGGCAATCCCGACAAGTACAAGGTTTC
 TCTCTGACCCTCAACCAACTACTGCAACACTGGTGACACCGAAGACGCTACAGTCCCCATTGCCGG
 GGTGAAGCTACAGCAGACATAGAAAACATCCCAATGACAAGGCTGAAAAACCTTCAGCACTTAATTCA
 GAAGAGGAAACTCATGAACAGTCAACAGAGCAGGACAAAACCTACAGCTTCGAGGTGGACCTGAAGGATG
 AGGAGGATGGAGATGGGGATTTAAGTGTAGATCCAACGGAAGGAACACTAACACTGGATCTACAAGAAGG
 TACAAGTGAAGCTCAACAGAAAAGTCTCCCGGAGAACGGCGATTTCCCGCGACCGTGTCCACTTCTAT
 GTGGATCTAACCAACGCGCAACATCACAAAGGGAAAGGAGAGTCAAGGACCACTGTAAGTGACTCAC
 ACCAGCAACCGAATGAAAGCAGCAAGCAAAACCAAGACTTAAAGGCTGAAGAAAGCCAGACACAAGATCC
 AGACATTCCTCAATGAAGAAGAGGAAGAAGAAGAGGACGAAGAAGAGGAAGAAGAGGAAGCCGGAAGAC
 ATTGGTGCCCCAGTGATAACCAAGAGGAGGAAAAGAACCTCTGGAGGAGCAGCTACCAGCAAGTGGG
 AAGGAAACAGAGAGCAATCTGATGACACCTTAGAAGAGTCCAGTCAAGCCACTCAGATAAGCAAGACAGA
 GAAGCATCAATCTGAGCAAGGAAACCAAGGGCAGGAGAGTGACTCTGAGGCAGAAGGAGAGGACAAGGCT
 GCAGGCAGCAAGGAACACATTCACATACAGAGCAGCAGGACCAAGAAGGAAAGCTGGCCTTGAAGCTA
 TTGGCAACCAGAAGGACTGATGAGAAGGCCGTTTCCACAGAACCTACCGATGCTGCCGTGGTGCCTAG
 GAGTCAAGGAGGAGTGGTGATAACGGGGCGGGGATGACTCTAAGCATGGTGCAGGCGATGACTACTTC
 ATCCCCAGCCAGGAATTCCTAGAGGCCGAAAGGATGCATTCCTCTCCTATTACCTCAAAATGGCGGGC
 GCGAGGAGACAACGACTGGCAGAGTGAACAACGGAGGAGGCTGCAGACAACCAAGGCAAGAAAGAGC
 TGAGAGCTCACCAATGCTGAACCTTCAGATGAGGGCAACTCAAGGGAGCACAGTCTGTTCTTGACAG
 AACTTCCAATGTAAAAGGGGACACATTTGCAAAACCGATCCACAAGGAAACCTCACTGTGTTTGCAAG
 ATCCAGAGACTTGTCCCCTGCAAAAATCCTAGATCAGGCTTGTGGCACTGACAACCAAACTACGCCAG
 CTCCTGTACCTGTTTGTACCAAGTGCAGGCTGGAGGGGACAAAAAGGGACACCAACTGCAGCTGGAT
 TACTTCGAGCTTGCAAATCTATTCCTGCTTGTACGGACTTTGAAGTGGCTCAGTTTCCCCTGCGGATGA
 GAGACTGGCTCAAAAACATCCTCATGCAGCTTTATGAACCAATCCCAACATGGCGGCTATCTCAATGA
 AAAGCAAGAAGCAAAGTCAAAAAATTTACCTGGATGAGAAGAGACTCTTGGCTGGAGACCATCCCATT
 GAATTCTCTTGAGGGACTTTAAGAAAACTACCACATGTATGTGTATCCTGTGCACTGGCAGTTAATG
 AACTGGACCAGCATCCTGCAGACAGGATCTTGACACACTCTGAACCTGCTCCTCTGCGAGCTTCCCTGGT
 GCCCATGGAACACTGCATAACTCGCTTCTTTGAGGAGTGTGACCCCAACAAGGATAAGCACATCACCTTG
 AAGGAATGGGGCCACTGCTTTGGAATTAAGAGGAGGATATAGATGAAAACCTCCTCTTT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209764 representing NM_010097
 Red=Cloning site Green=Tags(s)

MKAVLLLLCALGTAVAIPTSTRFLSDHSNPTTATLVTPEDATVPIAGVEATADIENHPNDKAEKPSALNS
 EEETHEQSTEQDKTYSFEVDLKDEEDGDGDLSDVPTTEGLTLDLQEGTSEPQQKSLPENGDFPATVSTSY
 VDPNQRANITKGKESQEQPVSQSHQPNESKQTQDLKAEESQTQDPDIPNEEEEEEEDEEEEEEPED
 IGAPSDNQEEGKEPLEEQPTSKWEGNREQSDDTLEESSQPTQISKTEKHQSEQNGQESDSEAEGEDKA
 AGSKEHIPHTEQQDQEGKAGLEAIGNQKDTDEKAVSTEPTDAAVVPRSHGGAGDNGGDDSKHGAGDDYF
 IPSQEFLEAERMHLSYLYKYGGGEETTTGESENRRRAADNQEAKKAESSPNAEPSDEGNSREHSAGSCT
 NFQCKRGHICKTDPQGKPHCVCPETCPPAKILDQACGTDNQTYASSCHLFATKCRLEGTKKGHQLQLD
 YFGACKSIPACTDFEVAQFPLMRDNLKILMQLYEPNPKHGGYLNKQKRSKVKKIYLDKRLLAGDHPI
 ELLLRDFKKNYHMYVYPVHWQFNELDQHPADRILTHSELAPLRASLVPMEHCITRFFEECDPNKDKHITL
 KEWGHCFGIKEEDIDENLLF

TRTRPLE - GFP Tag - V

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_010097.2
RefSeq Size:	2797 bp
RefSeq ORF:	1953 bp
Locus ID:	13602
UniProt ID:	P70663
Cytogenetics:	5 50.55 cM