

Product datasheet for **RG238798**

SPARCL1 (NM_001291976) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SPARCL1 (NM_001291976) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | SPARCL1 |
| Synonyms: | MAST 9; MAST9; PIG33; SC1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG238798 representing NM_001291976.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGTGAGCCTCAGGAGAAAAAAGTCTCAGAGAACACTGATTTTTTGGCTCCTGGTGTAGTTCCTTC
ACAGATTCTAACCAACAAGAAAGTATCACAAAGAGAGAGAAAAACCAAGAACAACCTAGAAATTATTCA
CATCATCAGTTGAACAGGAGCAGTAAACATAGCCAAGGCCTAAGGGATCAAGGAAACCAAGAGCAGGAT
CCAAATATTTCCAATGGAGAAGAGGAAGAAGAAAAAGAGCCAGGTGAAGTTGGTACCCACAAATGATAAC
CAAGAAAGAAAGACAGAATTGCCAGGGAGCATGCTAACAGCAAGCAGGAGGAAGACAATACCCAATCT
GATGATATTTTGAAGAGTCTGATCAACCAACTCAAGTAAAGCAAGATGCAGGAGGATGAATTTGATCAG
GGTAACCAAGAACAAGAAGATAACTCCAATGCAGAAATGGAAGAGGAAAAATGCATCGAACGTCATAAG
CACATTCAAGAACTGAATGGCAGAGTCAAGAGGGTAAAAGTGGCCTAGAAGCTATCAGCAACCACAAA
GAGACAGAAGAAAAGACTGTTTCTGAGGCTCTGCTCATGGAACCTACTGATGATGGTAAATACCACGCCC
AGAAATCATGGAGTTGATGATGATGGCGATGATGATGGCGATGATGGCGGCACTGATGGCCCCAGGCAC
AGTGCAAGTGATGACTACTTCATCCAAGCCAGGCCTTTCTGGAGGCCGAGAGAGCTCAATCCATTGCC
TATCACCTCAAAAATTGAGGAGCAAGAGAAAAAGTACATGAAAATGAAAATATAGGTACCACTGAGCCT
GGAGAGCACAAGAGGCCAAGAAAGCAGAGAACTCATCAATGAGGAGGAAACGTCAGTGAAGGCAAC
ATGAGGGTGATGCTGTGGATTCTTGATGAGCTTCCAGTGTAAGAGAGGCCACATCTGTAAAGCAGAC
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CACATGTATGTATCCTGTGCACTGGCAGTTTAGTGAACCTGACCAACACCCTATGGATAGAGTCTTG
ACACATTCTGAACCTGCTCCTCTGCGAGCATCTCTGGTCCCATGGAACACTGCATAACCCGTTTCTTT
GAGGAGTGTGACCCCAACAAGGATAAGCACATCACCTGAAGGAGTGGGGCCACTGCTTTGGAAATAAA
GAAGAGGACATAGATGAAAATCTCTTGTTT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238798
 Blue=ORF Red=Cloning site Green=Tag(s)

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MSEPQEKKLSENTDFLAPGVSSFTDSNQESITKREENQEQRNYSHHQLNRSSKHSQGLRDQGNQEQD
PNI SNGEKEEKEPGEVGTNDNQERKTELPREHANSKQEDNTQSDDI LEE SDQPTQVSKMQEDEFDQ
GNQE QEDNSNAEMEEENASNKHIQETEWQSQEGKTGLEAISNHKETEETVSEALLMEPTDDGNTTP
RNHGVDGDDGDDGGTDGPRHSASDDYFIPSQAFLEAERAQSIAYHLKIEEQREKVENENIGTTEP
GEHQEAKKAENSNEEETSSEGNNRVHAVDSCMSFQCKRGHICKADQQGKPHVCQDPVTCPTKPLDQ
VCGTDNQTYASSCHLFATKCRLEGTKKGHLQLLDYFGACKSIPTCTDFEVIQFPLRMRDNLKILMQLY
EANSEHAGYLNEKQRNKVKIYLDKRLLAGDHPIDLLLRDFKKNYHMYVYPVHWQFSELDQHPMDRVL
THSELAPLRASLVPMEHCITRFEECDPNKDKHITLKEWGHCFGIKEEDIDENLLF
TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

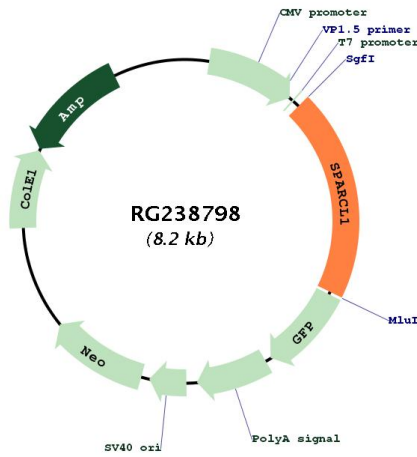
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



| | |
|--------------------------|--|
| ACCN: | NM_001291976 |
| ORF Size: | 1617 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). |
| RefSeq: | NM_001291976.1 , NP_001278905.1 |
| RefSeq Size: | 3019 bp |
| RefSeq ORF: | 1620 bp |
| Locus ID: | 8404 |
| UniProt ID: | Q14515 |
| Cytogenetics: | 4q22.1 |
| Protein Families: | Druggable Genome, Secreted Protein |
| MW: | 62.2 kDa |