

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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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGTGAGCCTCAGGAGAAAAAACTCTCAGAGAACACTGATTTTTGGCTCCTGGTGTAGTTCCTTC
ACAGATTCTAACCAACAAGAAAGTATCACAAAGAGAGAGGAAAACCAAGAACAACCTAGAAATTATTCA
CATCATCAGTTGAACAGGAGCAGTAAACATAGCCAAGGCCTAAGGGATCAAGGAAACCAAGAGCAGGAT
CCAAATATTTCCAATGGAGAAGAGGAAGAAGAAAAAGAGCCAGGTGAAGTTGGTACCCACAAATGATAAC
CAAGAAAGAAAGACAGAATTGCCAGGGAGCATGCTAACAGCAAGCAGGAGGAAGACAATACCCAATCT
GATGATATTTTGGAGAGTCTGATCAACCAACTCAAGTAAAGCAAGATGCAGGAGGATGAATTTGATCAG
GGTAACCAAGAACAAGAAGATAACTCCAATGCAGAAATGGAAGAGGAAAAATGCATCGAACGTCAATAAG
CACATTCAAGAACTGAATGGCAGAGTCAAGAGGGTAAAACTGGCCTAGAAGCTATCAGCAACCACAAA
GAGACAGAAGAAAAGACTGTTTCTGAGGCTCTGCTCATGGAACCTACTGATGATGGTAATACCACGCC
AGAAATCATGGAGTTGATGATGATGGCGATGATGATGGCGATGATGGCGCACTGATGGCCCCAGGCAC
AGTGCAAGTGATGACTACTTCATCCAAGCCAGGCCTTTCTGGAGCCGAGAGAGCTCAATCCATTGCC
TATCACCTCAAAATTGAGGAGCAAGAGAAAAAGTACATGAAAATGAAAATATAGGTACCACTGAGCCT
GGAGAGCACAAGAGGCCAAGAAAGCAGAGAACTCATCAATGAGGAGGAAACGTCAAGTGAAGGCAAC
ATGAGGGTGATGCTGTGGATTCTTGATGAGCTTCCAGTGTAAGAGAGGCCACATCTGTAAAGCAGAC
CAACAGGGAAAACCTCACTGTGTCTGCCAGGATCCAGTGACTTGTCTCCAACAAAACCCCTTGATCAA
GTTTGTGGCACTGACAACTCAGACCTATGCTAGTTCCTGTCATCTATTGCTACTAAATGCAGACTGGAG
GGGACCAAAAAGGGGCATCAACTCCAGCTGGATTATTTGGAGCCTGCAAACTATTCTACTTGTACG
GACTTTGAAGTGATTCAGTTTCCTCTACGGATGAGAGACTGGCTCAAGAATATCCTCATGCAGCTTTAT
GAAGCCAACTCTGAACACGCTGGTTATCTAAATGAGAAGCAGAGAAATAAGTCAAGAAAATTTACCTG
GATGAAAAGAGGCTTTTGGCTGGGGACCATCCATTGATCTTCTCTTAAGGGACTTAAAGAAAACTAC
CACATGTATGTATCCTGTGCACTGGCAGTTTAGTGAACTTGACCAACACCCTATGGATAGAGTCTTG
ACACATTCTGAACTTGCTCCTCTGCGAGCATCTCTGGTCCCATGGAACACTGCATAACCCGTTTCTTT
GAGGAGTGTGACCCCAACAAGGATAAGCACATCACCTGAAGGAGTGGGGCCACTGCTTTGGAAATAAA
GAAGAGGACATAGATGAAAATCTCTTGTTT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
```

Protein Sequence:

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

```
MSEPQEKKLSENTDFLAPGVSSFTDSNQESITKREENQEQRNYSHHQLNRSSKHSQGLRDQGNQEOD
PNI SNGEKEEKEPGEVGTNDNQERKTELPREHANSKQEDNTQSDDI LEE SDQPTQVSKMQEDEFDQ
GNQE QEDNSNAEMEEENASNPKHIQETEWQSQEGKTGLEAISNHKETEETVSEALLMEPTDDGNTTP
RNHGVDGDDGDDGGTDGPRHSASDDYFIPSAFLAERAQSIAYHLKIEEQREKVHENENIGTTEP
GEHQEAKKAENSNEEETSSEGNMRVHAVDSCMSFQCKRGHICKADQQGKPHVCQDPVTCPTKPLDQ
VCGTDNQTYASSCHLFATKCRLEGTKKGHLQLLDYFGACKSIPTCTDFEVIQFPLRMRDNLKILMQLY
EANSEHAGYLNEKQRNKVKKIYLDKRLLAGDHPIDLLLRDFKKNYHMYVYPVHWQFSELDQHPMDRVL
THSELAPLRASLVPMEHCITRFEECDPNKDKHITLKEWGHCFGIKEEDIDENLLF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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

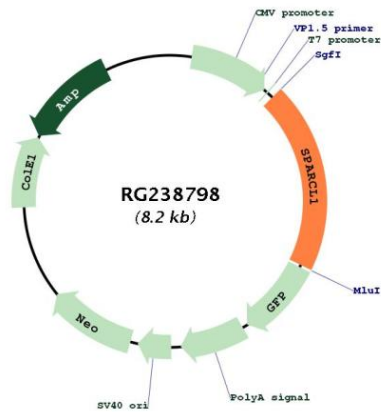
UniProt ID: [Q14515](#)

Cytogenetics: 4q22.1

Protein Families: Druggable Genome, Secreted Protein

MW: 62.2 kDa

Product images:



Circular map for RG238798