

Product datasheet for **RG207583**

SPARCL1 (NM_004684) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPARCL1 (NM_004684) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG207583 representing NM_004684
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGACTGGGCTTTTTTCTATGTCTCTTGGAACTGCAGCTGCAATCCCGACAAATGCAAGATTAT
 TATCTGATCATTCCAAACCAACTGCTGAAACGGTAGCACCCGACAACACTGCAATCCCCAGTTTAAGGGC
 TGAAGATGAAGAAAATGAAAAAGAAACAGCAGTATCCACAGAAGACGATTCCCACCATAAGGCTGAAAA
 TCATCAGTACTAAAGTCAAAAGAGGAAAGCCATGAACAGTCAGCAGAACAGGGCAAGAGTTCTAGCCAAG
 AGCTGGGATTGAAGGATCAAGAGGACAGTGATGGTGACTTAAGTGTGAATTTGGAGTATGCACCAACTGA
 AGGTACATTGGACATAAAAAGAAGATATGAGTGAGCCTCAGGAGAAAAACTCTCAGAGAACACTGATTTT
 TTGGCTCTGGTGTAGTTCCTTACAGATTCTAACCAACAAGAAAGTATCACAAAGAGAGAGGAAAAACC
 AAGAACAACCTAGAAATTATTCACATCATCAGTTGAACAGGAGCAGTAAACATAGCCAAGGCCTAAGGGA
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 AGACTGGAGGGGACCAAAAAGGGGCATCAACTCCAGCTGGATTATTTGGAGCCTGCAAATCTATTCCTA
 CTTGTACGGACTTTGAAGTGATTCAGTTTCCTCTACGGATGAGAGACTGGCTCAAGAATATCCTCATGCA
 GCTTTATGAAGCCAACCTGAACACGCTGGTTATCTAAATGAGAAGCAGAGAAAATAAGTCAAGAAAATT
 TACCTGGATGAAAAGAGGCTTTTGGCTGGGGACCATCCCATTGACCTTCTTAAAGGACTTTAAGAAAA
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 CTTGACACATTCTGAACTTGCTCCTCTGCGAGCATCTCTGGTGCCATGGAACACTGCATAACCCGTTTC
 TTTGAGGAGTGTGACCCCAACAAGGATAAGCACATCACCTGAAGGAGTGGGGCCACTGCTTTGGAATTA
 AAGAAGAGGACATAGATGAAAATCTCTTGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207583 representing NM_004684
 Red=Cloning site Green=Tags(s)

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MKTGLFFLCLLGTAAAIPNARLLSDHSPKTAETVAPDNTAIPSLRAEDEENEKETAVSTEDDSSHKAEK
SSVLKSKEESHEQSAEQGKSSSQELGLKDQEDSDGDL SVNLEYAPTEGLDIKEDMSEPQEKKLSNTDF
LAPGVSSF TDSNQQESI TKREENQE QPRNYSHHQLNRSSKHSQGLRDQGNQE QDPNISNGEEEEKEPGE
VGTHNDNQERKTELPREHANSKQEEDNTQSDDI LEE SDQPTQVSKMQEDEFDQGNQE QEDNSNAEMEEEN
ASNVNKHIEQETEQSQEGKTGLEAISNHKETE EKT VSEALLMEPTDDGNTTPRNHGVDDDDGDDGGT
DGPRHSASDDYFIP SQAFLEAERAQSIAYHLKIEEQREKVHENENIGTTEPGEHQEAKKAENSSNEEETS
SEGNMRVHAVDSCMSFQCKRGHICKADQQKPHVCQDPVTCPPTKPLDQVCGTDNQTYASSCHLFATKC
RLEGTKKGHQLLDYFGACKSIPTCTDFEVIQFPLRMRDWLKNILMQLYEANSEHAGYLNEKQRNKVKKI
YLDEKRLLAGDHPIDL LRLDFKKNYHMYVYPVHWQF SELDQHPMDRVL THSELAPLRASLVPMEHCITRF
FEECDPNKDKHITLKEWGHCFGIKEEDIDENLLF
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004684

ORF Size: 1992 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: [NM_004684.2](#), [NP_004675.2](#)

RefSeq Size: 2808 bp

RefSeq ORF: 1995 bp

Locus ID: 8404

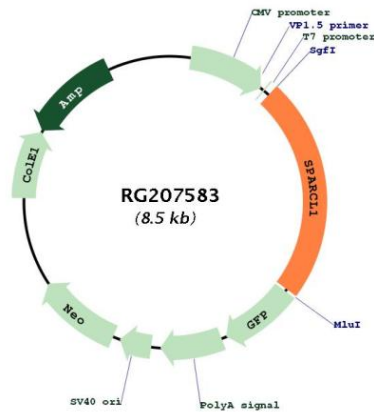
UniProt ID: [Q14515](#)

Cytogenetics: 4q22.1

Domains: kazal, FOLN

Protein Families: Druggable Genome, Secreted Protein

Product images:



Circular map for RG207583