

Product datasheet for **RC238799**

SPARCL1 (NM_001291977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPARCL1 (NM_001291977) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPARCL1
Synonyms:	MAST 9; MAST9; PIG33; SC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238799 representing NM_001291977
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAGCCTCAGGAGAAAAAAGCTCTCAGAGAACACTGATTTTTGGCTCCTGGTGTAGTTCCTTCA
 CAGATTCTAACCAACAAGAAAGTATCACAAAGAGAGAGGAAAACCAAGAACAACCTAGAAATTATTCACA
 TCATCAGTTGAACAGGAGCAGTAAACATAGCCAAGGCCTAAGGGATCAAGGAAACCAAGAGCAGGATCCA
 AATATTTCCAATGGAGAAGAGGAAGAAGAAAAAGGCCAGGTGAAGTTGGTACCCACAATGATAACCAAG
 AAAGAAAGACAGAATTGCCCAGGAGCATGCTAACAGCAAGCAGGAGGAAGACAATACCCAATCTGATGA
 TATTTTGGAAAGAGTCTGATCAACCAACTCAAGTAAAGCAAGATGCAGGAGGATGAATTTGATCAGGGTAA
 CAAGAACAAGAAGATAACTCCAATGCAGAAATGGAAGAGGAAAAATGCATCGAACGTCATAAGCACATTC
 AAGAAACTGAATGGCAGAGTCAAGAGGGTAAAAGTGGCTAGAAGCTATCAGCAACCACAAGAGACAGA
 AGAAAAGACTGTTTCTGAGGCTCTGCTCATGGAACCTACTGATGATGGTAAATACCACGCCAGAAATCAT
 GGAGTTGATGATGATGGCGATGATGATGGCGATGATGGCGGCACTGATGGCCCCAGGCACAGTGCAGTG
 ATGACTACTTCATCCCAAGCCAGGCCTTTCTGGAGGCCGAGAGAGCTCAATCCATTGCCTATCACCTCAA
 AATTGAGGAGCAAAGAGAAAAAGTACATGAAAAATGAAAATATAGGTACCACTGAGCCTGGAGAGCACCAA
 GAGGCCAAGAAAGCAGAGAACTCATCAATGAGGAGGAAACGTCAAGTGAAGGCAACATGAGGGTGCATG
 CTGTGGATTCTTGCATGAGCTCCAGTGTAAAAGAGGCCACATCTGTAAGGCAGACCAACAGGGAAAAACC
 TCACTGTGTCTGCCAGGATCCAGTACTGTCTCCAACAAAACCCCTTGATCAAGTTTGTGGCACTGAC
 AATCAGACCTATGCTAGTCTCTGTCATCTATTGCTACTAAATGCAGACTGGAGGGGACCAAAAAGGGGC
 ATCAACTCCAGCTGGATTATTTTGGAGCCTGCAAAATCTATTCTACTTGTACGGACTTTGAAGTGATTCA
 GTTTCCTCTACGGATGAGAGACTGGCTCAAGAATATCCTCATGCAGCTTTATGAAGCCAACCTCTGAACAC
 GCTGGTTATCTAAATGAGAAGCAGAGAAAATAAAGTCAAGAAAATTTACCTGGATGAAAAGAGGCTTTTGG
 CTGGGGACCATCCCATTGATCTTCTCTTAAGGGACTTTAAGAAAACTACCACATGTATGTGTATCTGT
 GCACTGGCAGTTTGTGAAGTGGACCAACACCCTATGGATAGAGTCTTGACACATTCTGAACTTGTCTCT
 CTGCGAGCATCTCTGGTGGCCATGGAACACTGCATAACCCGTTTCTTTGAGGAGTGTGACCCCAACAAGG
 ATAAGCACATCACCTGAAGGAGTGGGGCCACTGCTTTGGAATTAAGAAGAGGACATAGATGAAAATCT
 CTTGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238799 representing NM_001291977
 Red=Cloning site Green=Tags(s)

MSEPQEKKLSENTDFLAPGVSSFTDSNQESITKREENQEQRNYSHHQLNRSSKHSQGLRDQGNQEODP
 NISNGEEEEKEPGEVGTNDNQRKTELPREHANSKQEEEDNTQSDDILEESDQPTQVSKMQEDEFDQGN
 QEQEDNSNAEMEEENASNVNKHIEQETEWQSQEGKGLEAISNHKETEETVSEALLMEPTDDGNTTPRNH
 GVDDDDGDDGDDGTDGPRHSASDDYFIPSQAFLEAERAQSIAYHLKIEEQREKVHENENIGTTEPGEHQ
 EAKKAENSSNEEETSSEGNMRVHAVDSCMSFQCKRGHICKADQQGKPHVCQDPVTCPPTKPLDQVCGTD
 NQTYASSCHLFATKCRLEGTKKGHLQLDYFGACKSIPTCTDFEVIQFPLRMRDWLKNILMQLYEANSEH
 AGYLNEKQRNKVKKIYLDKRLLAGDHPIDLLLRDFKKNYHMYVYPVHWQFSELDQHPMDRVLTHSELAP
 LRASLVPMEHCITRFEECDPNKDKHITLKEWGHCFGIKEEDIDENLLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

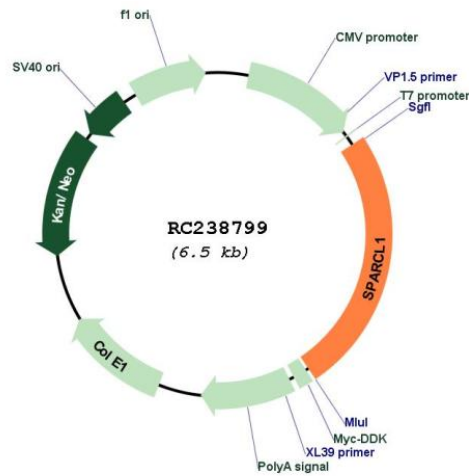
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001291977
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).
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_001291977.1 , NP_001278906.1
RefSeq Size:	2670 bp
RefSeq ORF:	1620 bp
Locus ID:	8404
UniProt ID:	Q14515
Cytogenetics:	4q22.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	62.2 kDa