

Product datasheet for MR200320

Spcs1 (NM_026911) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spcs1 (NM_026911) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spcs1
Synonyms: 1810004F21Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200320 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCTGGAACACCTGAGTTCGCTGCCACCCAGATGGATTACAAGGGGCAGAACTAGCTGAACAGATGT
 TTCAGGGGATCATTCTTTTTCTGCAATAGTTGGGTTTATCTACGGGTACGTGGCTGAACAGTTGGGTG
 GACTGTCTACATAGTTATGGCCGATTTGCTTTCTCTGTTTCTGACACTTCTCCATGGCCTATCTAC
 CGCCGCCATCCCCTAAAATGGTTACCTGTTCAAGACTTAGGCACAGAAGACAAGAAATCAGGGGACAGAA
 AATTAAGAGGCATGCTAAAAAATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200320 protein sequence
 Red=Cloning site Green=Tags(s)

MLEHLSSLPTQMDYKQKLAEQMFQGIILFSAIVGFIYGYVAEQFGWTVYIVMAGFAFSCLLTLPWPPIY
 RRHPLKWLVPQDLGTEDKKSGDRKIKRHAKNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_026911

ORF Size: 309 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.

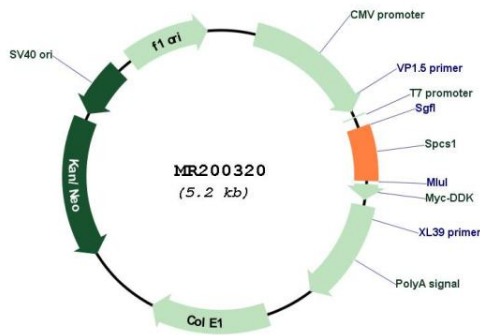
RefSeq: [NM_026911.1](#), [NM_026911.2](#), [NP_081187.1](#)

RefSeq Size: 1022 bp

RefSeq ORF: 486 bp

Locus ID: 69019
UniProt ID: [Q9D958](#)
Cytogenetics: 14 B
MW: 11.8 kDa
Gene Summary: Component of the microsomal signal peptidase complex which removes signal peptides from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200320