

## Product datasheet for MR206537

### Scrn1 (NM\_027268) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scrn1 (NM_027268) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scrn1
Synonyms:	2810019K23Rik; 6330535A03Rik; AI852905; mKIAA0193; SES1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206537 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGCGCGCTCCAAGTTACTCTTTGTGGCTCTGCCACCTCGAGCTAAGGACGGTCTGGTGGTAT  
TTGGGAAAAATTCAGCTCGGCCAGAGATGAAGTCCAGGAGTTGTGATTTCCAGCTGTTGACCATGA  
CGCTGAGAGCAAAGTTGAGTGCCTTACATCTCAATCGACCAAGTCCCCAGGACCCAGCCATCGTGATA  
AGCAGACCTGCCTGGCTCTGGGGGCAGAAATGGGAGCCAATGAACATGGGGTATGCATAGCCAACGAAG  
CCATCAATGCCAGAGAACCAGCTGCTGAGACGGAAGCCTTACTGGGAATGGATCTGGTCAGGCTTGCTT  
AGAACGAGGGACAACAGCTAAAGAAGCCCTAGACATCATTGTTTTTTATTGGATGAGCAGGACAAGGT  
GGAAATATTATGAAGATGCCCACTCCTGCCATAGCTTCCAAAGTGCATATCTGCTGGTGGACCGAGATG  
AAGCCTGGGTGCTGGAGACTGTAGGGAAGTATTGGGCTGCTGAGAGAATCACAGAGGGAGTGAGGTGCAT  
TTGCAACCATCTTTCCCTCGCGACTAAGCTGGATGAAGAGCACCCAGAACTCAGGACTTATGCTCAGAGT  
CAAGGCTGGTGGACGGGAGACGCAATTCAACTTTGCCAGGTTTTTCTCCAGCCGATGACCGTTTGG  
ACTGCTGTGCAGGCCAAGACAGCTTAGAAAAGCAAGAAGAAGCATCACTGTGCAGACGATGATTAACAT  
CTTACGAGACAAAGCCAGTGGTGTTCATAGATTCTGAGTCTTCCCTCACCACAGCCAGTATAGTGTCT  
GTCTTGCCCTCAGAACAGAAGTTCACCGTGTATCCACTACTTACCAGGACCCAGATCCTTCCAGGTCCA  
TATTCAGCCTTTCATCTTTGTTGATGATGTAACACTTGCCCAAAGCACAGTCAACCTGTTTTGGTGA  
CGATGACCAGCCAAAAAGGAACCTCGGTTCCAGGAGAAGCCAGACCCGCCGACATGAGCTGTACAAGGCA  
CACGAGTGGGCACGTGCTGTATCGAGAGTGACGAGGAGCAAGGTCGACCCTGAGGAAGACCATGCTGG  
AGTTGGAGAAGCAAGCCCTGGAGGCCATGGACGAGATTCTGAGCAGCCCCGAGCCCCGGACCCCGCGGA  
GGTGGGGACCTATTCTATGACTGTGTGGACACCGAGATGAAGTTCTTTAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206537 protein sequence  
Red=Cloning site Green=Tags(s)

MSGAPPSYSFVALPPRAKDGLVVFVKNSARPRDEVQEVVYFPAVDHDAESKVECTYISIDQVPRTHAIVI  
 SRPAWLWGAEMGANEHGVCIANEAINAREPAAETEALLGMDLVRLGLERGT TAKEALDIIVSLLEDEHGQG  
 GNYVEDAHSCHSFQ SAYLLVDRDEAWVLETVGKYWAAERITGVRCICNHL SLATKLEEHPELRTYAQS  
 QGWWTGDDEFNFAQVFS PADDRLDCCAGQDSLEKQEESITVQTMINILRDKASGVCIDSESFLTASIVS  
 VLPQNRSSPCIH YFTGTDP SRSIFKPFIFVDDVKLVPKAQSPCFGDDDP AKKEPRFQEKPD RRHELYKA  
 HEWARAVIESDEEQRTL RKTMLELEKQGLEAMDEILSSPEPPDPAE VGDLYDCVDTEMKFFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_027268

**ORF Size:** 1245 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\\_027268.2](#)

**RefSeq Size:** 1777 bp

**RefSeq ORF:** 1245 bp

**Locus ID:** 69938

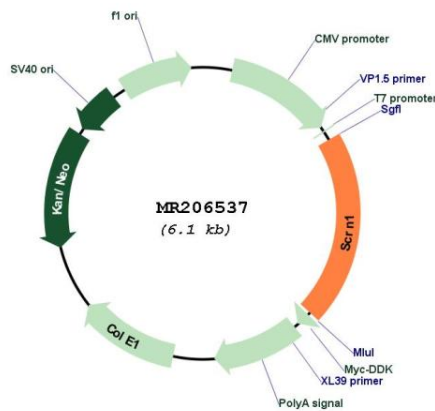
**UniProt ID:** [Q9CZC8](#)

**Cytogenetics:** 6 B3

**MW:** 46.3 kDa

**Gene Summary:** Regulates exocytosis in mast cells. Increases both the extent of secretion and the sensitivity of mast cells to stimulation with calcium (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206537