

## Product datasheet for **MG206537**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scrn1 (NM_027268) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scrn1
Synonyms:	2810019K23Rik; 6330535A03Rik; AI852905; mKIAA0193; SES1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206537 representing NM_027268 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGCGCGCTCCAAGTTACTCTTTGTGGCTGCGCACCTCGAGCTAAGGACGGTCTGGTGGTAT  
TTGGGAAAAATTCAGCTCGGCCAGAGATGAAGTCCAGGAGTTGTGATTTCCAGCTGTTGACCATGA  
CGCTGAGAGCAAAGTTGAGTGCCTTACATCTCAATCGACCAAGTCCCCAGGACCCACGCCATCGTGATA  
AGCAGACCTGCCTGGCTCTGGGGGCAGAAATGGGAGCCAATGAACATGGGGTATGCATAGCCAACGAAG  
CCATCAATGCCAGAGAACCAGCTGCTGAGACGGAAGCCTTACTGGGAATGGATCTGGTCAGGCTTGGCTT  
AGAACGAGGGACAACAGCTAAAGAAGCCCTAGACATCATTGTTTTTTATTGGATGAGCAGGACAAGGT  
GGAAATTTATGAAGATGCCCACTCCTGCCATAGCTTCCAAAGTGCATATCTGCTGGTGGACCGAGATG  
AAGCCTGGGTGCTGGAGACTGTAGGGAAGTATTGGGCTGCTGAGAGAATCACAGAGGGAGTGAGGTGCAT  
TTGCAACCATCTTCCCTCGCGACTAAGCTGGATGAAGAGCACCCAGAATCAGGACTTATGCTCAGAGT  
CAAGGCTGGTGGACGGGAGACGACGAATCAACTTTGCCAGGTTTTTCTCCAGCCGATGACCGTTTGG  
ACTGCTGTGCAGGCCAAGACAGCTTAGAAAAGCAAGAAGAAGCATCACTGTGCAGACGATGATTAACAT  
CTTACGAGACAAAGCCAGTGGTGTTCATAGATTCTGAGTCTTCCCTCACCACAGCCAGTATAGTGTCT  
GTCTTGCCCTCAGAACAGAAGTTCACCGTGTATCCACTACTTACCAGGACCCAGATCCTTCCAGGTCCA  
TATTCAGCCTTTCATCTTTGTTGATGATGTAACACTTGCCCAAGCACAGTACCCTGTTTTGGTGA  
CGATGACCAGCCAAAAAGAACCTCGGTTCCAGGAGAAGCCAGACCCGCCGACATGAGCTGTACAAGGCA  
CACGAGTGGGCACGTGCTGTCATCGAGAGTGACGAGGAGCAAGGTCGACCCTGAGGAAGACCATGCTGG  
AGTTGGAGAAGCAAGCCTGGAGGCCATGGACGAGATTCTGAGCAGCCCCGAGCCCCGACCCCGCCGA  
GGTGGGGACCTATTCTATGACTGTGTGGACACCGAGATGAAGTCTTTAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206537 representing NM\_027268  
 Red=Cloning site Green=Tags(s)

MSGAPPSYSFVALPPRAKDGLVVFVKNSARPRDEVQEVVYFPAVDHDAESKVECTYISIDQVPRTHAIVI  
 SRPAWLWGAEMGANEHGVCIANEAINAREPAAETEALLGMDLVRLGLERGT TAKEALDIIVSLLEDEHGQG  
 GNYVEDAHSCHSFQ SAYLLVDRDEAWVLETVGKYWAAERITGVRCICNHL SLATKLDEEHP ELRTYAQS  
 QGWWTGDDEFNFAQVFS PADDRLDCCAGQDSLEKQEESITVQTMINILRDKASGVCIDSESFLT TASIVS  
 VLPQNRSSPCIH YFTGT PDP SRSIFKPFIFVDDVKLVPKAQSPCFGDDDP AKKEPRFQEKPD RRHEL YKA  
 HEWARAVIESDEEQRTL RKTMLELEKQGLEAMDEILSSPEPPDPAE VGD LFYDCVDTEMKFFK

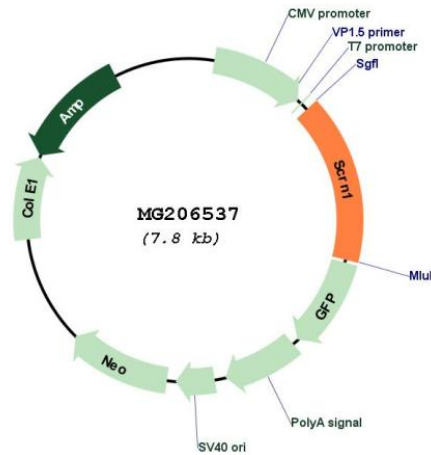
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_027268

<b>ORF Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_027268.2</a>
<b>RefSeq Size:</b>	1778 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	69938
<b>UniProt ID:</b>	<a href="#">Q9CZC8</a>
<b>Cytogenetics:</b>	6 B3
<b>Gene Summary:</b>	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]