

Product datasheet for **RR215042**

Scrn1 (NM_001025063) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scrn1 (NM_001025063) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Scrn1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215042 representing NM_001025063
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGGTGCACCTCCGAGTTACTCCTTCGTGGCTTTGCCACCTCGAGCCAAGGATGGTCTGGTGGTGT
TTGGGAAAAATTCAGCGCGGCCAGAGATGAAGTGCAGGAGGTCGTGACTTCCCAGCTGTTGACCATGA
AGCTGAGAGCAAAGTTGAGTGCCTTACATCTCAATTGACCAAGTCCCAGGACCCAGCCATAGTGATA
AGCAGACCTGCCTGGCTCTGGGGGCGAGAAATGGGAGCCAATGAACATGGGGTATGCATAGCCAATGAAG
CCATCAATGCCAGAGAACCAGCTGCTGAGACAGAAGCCTTACTGGGGATGGATCTGGTCAGGCTTGTTT
AGAACGAGGGACAACAGCTAAAGAAGCCTTAGACATCATCGTCTCCTTATTGGATGAGCATGGACAAGGT
GGAAATTATTGAAGATGCCATTCTGCCATAGCTTCCAAAGTGCATATCTGCTGGTGGATCGTGATG
AAGCCTGGGTGCTGGAGACTGTAGGGAAGTATTGGGCTGCTGAGAGAATCACAGAGGGAGTGAGGTGCAT
TTGCAATCACCTTTCCTCACTACTAAGATGGACGAAGAACACCCAGAAGTACAGGACGTATGCTCAGAGT
CAAGGCTGGTGGACCGGAGAGGATGAATTCATTTTCCCAAGTCTTTTCTCCCGCTGATGACCATTTGG
ACTGCTGTGCAGGCAAAGACAGCTTAGAAAAGCAAGAAGAAAGCATCACGGTGCAGACGATGATTAACAT
CTTACGAGATAAAGCCAGTGGCGTTTGATAGATTCTGAGTCTTTCCCTTACCACAGCCAGTATAGTGCT
GTCCTGCCTCAGAACAGAAGTTCACCGTGCATTCACTACTTACCAGGGACCCAGATCCTTCCAGGTCCA
TATTCAAGCCTTTCATCTTTGTTGATGATGTAACACTTGTCCCAAGCACAGTCGCGCTGTTTTGGGGA
CGATGACCCAGCCAAAAGGAACCTCGGTTCCAGGAGAAGCCAGACCGGCGGCACGAGCTGTACAAGGCA
CATGAGTGGGCACGTGCTGTCATCGAGAGCGACCAGGAGCAAGGCCGCACACTGAGGAAGACCATGCTGG
AGTTGGAGAAGCAAGGCTTGGAGCCATGGAAGAGATTCTGAGCAGCCCTGAACCCAGACCCTGCTGA
GGTGGGGACCTTTTCTATGACTGTGTGGACACCGAGATGAAATTCCTTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215042 representing NM_001025063
 Red=Cloning site Green=Tags(s)

MSGAPPSYSFVALPPRAKDGLVVF GKNSARPRDEVEVYFPAVDHEAESKVECTYISIDQVPRTHAIVI
 SRPAWLWGAEMGANEHGVCIANEA INAREPAAETEALLGMDLVRLGLERGT TAKEALDIIVSLLDHEHGQG
 GNYIEDAHSCHSFQ SAYLLVDRDEAWVLETVGKYWAAERITGVRCICNHL SLTTKMDEEHPELRTYAQS
 QGWWTGEDEFNFAQVFS PADDHLDCAGKDSLEKQEESITVQTMINILRDKASGVCIDSESFLT TASIVS
 VLPQNRSSPCIHYFTGT PDP SRSIFKPFIFVDDVKLVPKAQSPCFGDDDP AKKEPRFQEKPD RRHELK YKA
 HEWARAVIESDQEQR TLRKTMLELEKQGLEAMEEILSSPEPPDPAE VGD LFYDCVDTEMKFFK

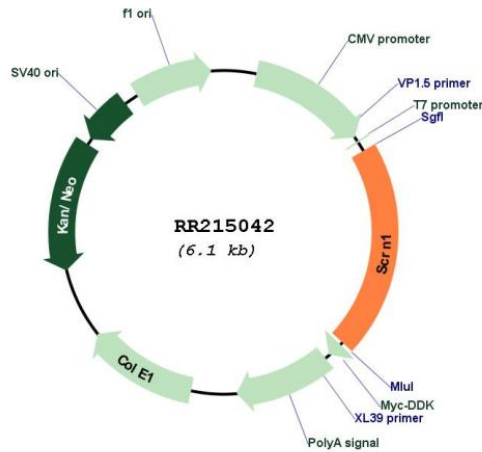
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025063

ORF Size:	1242 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_001025063.1 , NP_001020234.1
RefSeq Size:	1584 bp
RefSeq ORF:	1245 bp
Locus ID:	502776
UniProt ID:	Q6AY84
Cytogenetics:	4q24
MW:	46.4 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]