

Product datasheet for RC227063

SCRN1 (NM_001145515) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCRN1 (NM_001145515) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SCRN1
Synonyms: SES1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227063 representing NM_001145515
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAAGCAGACCCGCCTGGCTCTGGGGAGCAGAAATGGGAGCCAATGAACATGGAGTGTGCATAGCCA
ATGAAGCCATCAACACCAGAGAGCCAGCTGCCGAGATAGAAGCCTTGCTGGGGATGGATCTGGTCAGGCT
TGGTTTAGAAAGAGGGGAAACAGCTAAAGAAGCCTTAGATGTCATTGTCTCCTTGTGGAAGAACATGGA
CAAGGTGGGAATTACTTTGAAGATGCAAACCTCCTGCCACAGCTTCCAAAGTGCATATCTGATTGTGGATC
GTGATGAAGCCTGGGTGCTCGAGACCATAGGGAAGTACTGGGCTGCCGAGAAAGTCACAGAGGGAGTGAG
GTGATTTGCAGTCAGCTTCGCTCACCCTAAGATGGATGCAGAGCATCCGGAACCTCAGGAGTTACGCT
CAGAGCCAAGGTTGGTGGACGGGAGAGGGCGAGTTCAATTTTTCCGAAGTCTTTTCTCCAGTTGAGGATC
ATCTAGACTGCGGTGCTGGCAAAGACAGCTTAGAAAAACAAGAAGAAAGCATCACAGTGCAGACTATGAT
GAACACCTTACGGGACAAAGCCAGCGGAGTGTGCATAGACTCTGAGTTTTTCTCACCACAGCCAGTGGA
GTGTCTGTCTGCCGAGAAATAGAAGCTCTCCGTGCATCACTACTTCACTGGAACCCCTGATCCTTCCA
GGTCCATATTCAAGCCTTTCATCTTTGTTGATGACGTAACCTTGTCACCAAAACACAGTCTCCCTGTTT
TGGGGATGACGACCCTGCCAAAAAGGAGCCTCGGTTCCAGGAGAAACCAGACCCCGGCATGAGCTGTAC
AAAGCCACGAGTGGGCACGTGCCATCATCGAAAGTGACCAGGCAAGGTCGCAAGCTGAGGAGCACCA
TGCTGGAGCTGGAGAAGCAAGGCCTGGAAGCCATGGAAGAAATCCTGACCAGCTCCGAGCCACTGGACCC
TGCGGAAGTGGGGACCTTTTCTATGACTGTGTTGACACGGAGATTAAGTTCTTTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC227063 representing NM_001145515
Red=Cloning site Green=Tags(s)

MISRPAWLWGAEMGANEHGVCIANEAINTREPAAEIEALLGMDLVRLGLERGETAKEALDVIIVSLLEEHG
 QGGNYFEDANSCHSFQSAYLIVDRDEAWVLETIGKYWAAEKVTEGVRICISQLSLTTKMDAEHPELRSYA
 QSQGWWTGEGEFNFSEVFSPEVDHLDCGAGKDSLEKQEESITVQTMNTLRDKASGVCIDSEFFLTTASG
 VSVLPQNRSSPCIHFFTGTPDPSRSIFKPFIFVDDVKLVPKTQSPCFGDDDPAKKEPRFQEKPRRHELY
 KAHEWARAIIESDQEQRKLRSTMLELEKQGLEAMEEILTSSEPLDPAEVGDLFYDCVDTEIKFFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1560_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001145515

ORF Size: 1038 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_001145515.2](#)

RefSeq ORF: 1041 bp

Locus ID: 9805

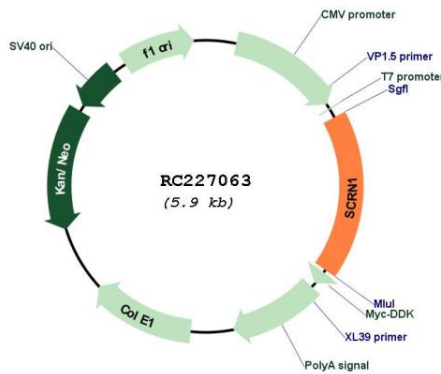
UniProt ID: [Q12765](#)

Cytogenetics: 7p14.3

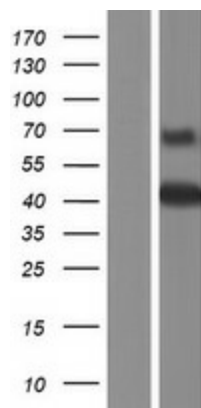
MW: 38.7 kDa

Gene Summary: This gene likely encodes a member of the secernin family of proteins. A similar protein in rat functions in regulation of exocytosis in mast cells. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RC227063



Western blot validation of overexpression lysate (Cat# [LY428920]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227063 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).