

Product datasheet for **RG206268**

SCRN1 (NM_014766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCRN1 (NM_014766) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCRN1
Synonyms:	SES1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206268 representing NM_014766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCTGCAGCTCCTCCAAGTTACTGTTTTGTTGCCTTCCCTCCACGTGCTAAGGATGGTCTGGTGGTAT
TTGGGAAAAATTCAGCCCGGCCAGAGATGAAGTGCAAGAGGTTGTGATTTCTCGGCTGCTGATCACGA
ACCGGAGAGCAAGGTTGAGTGCACCTTACATTTCAATCGACCAAGTTCCAAGGACCTATGCCATAATGATA
AGCAGACCCGCCCTGGCTCTGGGAGCAGAAATGGGAGCCAATGAACATGGAGTGTGCATAGCCAATGAAG
CCATCAACACCAGAGAGCCAGCTGCCGAGATAGAAGCCTTGCTGGGGATGGATCTGGTCAGGCTTGGTTT
AGAAAGAGGGGAAACAGCTAAAGAAGCCTTAGATGTCATTGTCTCCTTGTGGAAGAACATGGACAAGGT
GGGAATTACTTTGAAGATGCAAACCTCCTGCCACAGCTTCCAAAGTGCATATCTGATTGTGGATCGTGATG
AAGCCTGGGTGCTCGAGACCATAGGGAAGTACTGGGCTGCCGAGAAAAGTACAGAGGGAGTGAGGTGCAT
TTGCAGTCAGCTTTCGCTCACCCTAAGATGGATGCAGAGCATCCGGAACCTCAGGAGTTACGCTCAGAGC
CAAGGTTGGTGGACGGGAGAGGGCGAGTTCAATTTTTCCGAAAGTCTTTCTCCAGTTGAGGATCATCTAG
ACTGCGGTGCTGGCAAAGACAGCTTAGAAAAACAAGAAGAAGCATCACAGTGCAGACTATGATGAACAC
CTTACGGGACAAAGCCAGCGGAGTGTGCATAGACTCTGAGTTTTCTCCACCACAGCCAGTGGAGTGTCT
GTCCTGCCGAGAAATAGAAGCTCTCCGTGCATTCACACTTCACTGGAACCCATGATCCTCCAGGTCCA
TATTCAGCCTTTCATCTTTGTTGATGACGTAACACTTGCCCCAAAACACAGTCTCCCTGTTTTGGGGA
TGACGACCCTGCCAAAAAGGAGCCTCGGTTCCAGGAGAAAACCAGACCGCCGGCATGAGCTGTACAAAGCC
CACGAGTGGGCACGTGCCATCATCGAAAGTGACCAGGAGCAAGGTCGCAAGCTGAGGAGCACCATGCTGG
AGCTGGAGAAGCAAGGCCTGGAAGCCATGGAAGAAATCCTGACCAGCTCCGAGCCACTGGACCCTGCGGA
AGTGGGGACCTTTTCTATGACTGTGTTGACACGGAGATTAAGTCTTTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206268 representing NM_014766
 Red=Cloning site Green=Tags(s)

MAAAPPSYCFVAFPPRAKDGLVVF GKNSARPRDEVQEVVYFSAADHEPESKVECTYISIDQVPRTYAIMI
 SRPAWLWGAEMGANEHGVCIANEAINTREPAAEIEALLGMDLVRLGLERGETAKEALDVIIVSLLEEHGQG
 GNYFEDANSCHSFQ SAYLIVDRDEAWVLETIGKYWAAEKVTEGVRICISQLSLTTKMDAHEPELRSYAQS
 QGWWTGEGEFNFSEVFS PVEDHLDCGAGKDSLEKQEESITVQTMNTLRDKASGVCIDSEFFLTTASGVS
 VLPQNRSSPCIH YFTGTHDPSRSIFKPFIFVDDVKLVPKTQSPCFGDDDP AKKEPRFQEKPDRRHELKKA
 HEWARAIIESDQEQRKLRSTMLELEKQGLEAMEEILTSSEPLDPAEVDLFDYDCVDTEIKFFK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014766

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014766.3](#)

RefSeq Size: 5228 bp

RefSeq ORF: 1245 bp

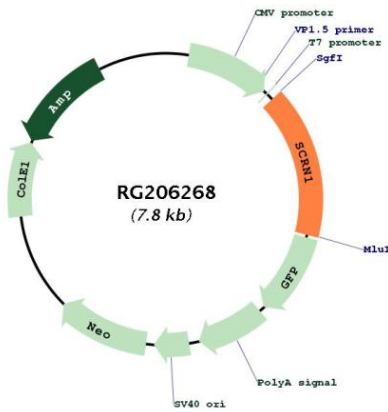
Locus ID: 9805

UniProt ID: [Q12765](#)

Cytogenetics: 7p14.3

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 RG206268