

## Product datasheet for **RG227050**

### SCRN1 (NM\_001145514) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCRN1 (NM_001145514) 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:	>RG227050 representing NM_001145514 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTACAGGACGGCACTTTTAAAACCAGGGACTCGACTTGGACGTGCGAGTCAACAAGGATGGCTGCAG  
CTCCTCCAAGTTACTGTTTTGTTGCCTCCCTCCACGTGCTAAGGATGGTCTGGTGGTATTTGGGAAAAA  
TTCAGCCCGCCAGAGATGAAGTGCAAGAGTTGTGATTTCTCGGCTGCTGATCAGAACCGGAGAGC  
AAGTTGAGTGCATTACATTTCAATCGACCAAGTTCCAAGGACCTATGCCATAATGATAAGCAGACCCG  
CCTGGCTCTGGGAGCAGAAATGGGAGCCAATGAACATGGAGTGTGCATAGCCAATGAAGCCATCAACAC  
CAGAGAGCCAGCTGCCGAGATAGAAGCCTTGCTGGGGATGGATCTGGTCAGGCTTGGTTTAGAAAGAGGG  
GAAACAGCTAAAGAAGCCTTAGATGTCATTGTCTCCTTGTGGAAGAATGGACAAGGTGGGAATTACT  
TTGAAGATGCAAACCTCTGCCACAGCTTCCAAAGTGCATATCTGATTGTGGATCGTGATGAAGCCTGGGT  
GCTCGAGACCATAGGGAAGTACTGGGCTGCCGAGAAAGTCACAGAGGGAGTGAGGTGCATTTGCAGTCAG  
CTTTCGCTCACCCTAAGATGGATGCAGAGCATCCGGAACCTCAGGAGTTACGCTCAGAGCCAAGTTGGT  
GGACGGGAGAGGGCGAGTTCAATTTTTCCGAAGTCTTTTCTCCAGTTGAGGATCATCTAGACTGCCGTGC  
TGGCAAAGACAGCTTAGAAAAACAAGAAGAAAGCATCACAGTGCAGACTATGATGAACACCTTACGGGAC  
AAAGCCAGCGGAGTGTGCATAGACTCTGAGTTTTCTCACCACAGCCAGTGGAGTGTCTGCTCCTGCCGC  
AGAATAGAAGCTCTCCGTGCATTCACTACTTCACTGGAACCCCTGATCCTTCCAGTCCATATTTCAAGCC  
TTTCATCTTTGTTGATGACGTA AAACTGTCCCAAAAACACAGTCTCCCTGTTTTGGGGATGACGACCT  
GCCAAAAAGGAGCCTCGTTCCAGGAGAAAACCAGACCGCCGCATGAGCTGTACAAAGCCACGAGTGGG  
CACGTGCCATCATCGAAAGTGACCAGGAGCAAGGTCGCAAGCTGAGGAGCACCATGCTGGAGCTGGAGAA  
GCAAGGCTGGAAGCCATGGAAGAAATCCTGACCAGCTCCGAGCCACTGGACCCTGCGGAAGTGGGGAC  
CTTTCTATGACTGTGTTGACACGGAGATTAAGTTCTTTAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG227050 representing NM\_001145514  
 Red=Cloning site Green=Tags(s)

MVQDGTGFKTRDSTWTCESTRMAAAPPSCYFVAFPPRAKDGLVVF GKNSARPRDEVQEVVYFSAADHEPES  
 KVECTYISIDQVPRTYAIMISRPALWGAEMGANEHGVCIANEAINTREPAAEIEALLGMDLVRLGLERG  
 ETAKEALDVIVSLLEEHGQGGNYFEDANSCHSFQSAYLIVDRDEAWVLETIGKYWAAEKVTEGVRICISQ  
 LSLTTKMDAEHPELRSYAQSQGWWTGEGEFNFSEVFSPEVDHLDCGAGKDSLEKQEEESITVQTMNMLRD  
 KASGVCIDSEFFLTTASGVSVLPQNRSSPCIHYFTGTPDPSRSIFKPFIFVDDVKLVPKTQSPCFGDDDP  
 AKKEPRFQEKPDRRHEL YKAHEWARAIIESDQEGRKLRSTMLELEKQGLEAMEEILTSSEPLDPAEIVG  
 LFYDCVDTEIKFFK

TRTRPLE - GFP Tag - V

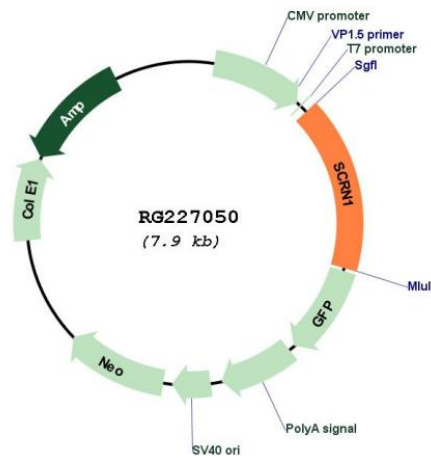
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001145514

<b>ORF Size:</b>	1302 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_001145514.1</a> , <a href="#">NP_001138986.1</a>
<b>RefSeq Size:</b>	5218 bp
<b>RefSeq ORF:</b>	1305 bp
<b>Locus ID:</b>	9805
<b>UniProt ID:</b>	<a href="#">Q12765</a>
<b>Cytogenetics:</b>	7p14.3
<b>Gene Summary:</b>	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]