

Product datasheet for **RG201359**

SCGN (NM_006998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCGN (NM_006998) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCGN
Synonyms:	CALBL; DJ501N12.8; SECRET; SEGN; setagin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201359 representing NM_006998 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAGCTCCCGGAACCGACTCTGGGGCGCTTGGACGCCGCTGGCTTCTGGCAGGTCTGGCAGCGCT
 TTGATGCGGATGAAAAAGGTTACATAGAAGAGAAGGAACTCGATGCTTTCTTTCTCCACATGTTGATGAA
 ACTGGGTACTGATGACACGGTCATGAAAGCAAATTTGCACAAGGTGAAACAGCAGTTTATGACTACCCAA
 GATGCCTCTAAAGATGGTCGCATTGGATGAAAGAGCTTGCTGGTATGTTCTTATCTGAGGATGAAAACT
 TTCTTCTGCTCTTTCGCCGGGAAAACCCACTGGACAGCAGCGTGGAGTTTATGCAGATTTGGCGCAAATA
 TGACGCTGACAGCAGTGGCTTTATATCAGCTGCTGAGCTCCGCAACTTCCTCCGAGACCTTTTCTTCAC
 CACAAAAAGGCCATTTCTGAGGCTAAACTGGAAGAATACACTGGCACCATGATGAAGATTTTGGACAGAA
 ATAAAGATGGTCGGTTGGATCTAAATGACTTAGCAAGGATTCTGGCTCTTCAGGAAAACCTTCCTTCTCCA
 ATTTAAATGGATGCTTGTCTACTGAAGAAAGGAAAGGGACTTTGAGAAAATCTTTGCCTACTATGAT
 GTTAGTAAACAGGAGCCCTGGAAGGCCGAGAAGTGGATGGGTTTGTCAAAGACATGATGGAGCTTGTC
 AGCCAGCATCAGCGGGTGGACCTTGATAAGTTCCGCGAGATTCTCTGCGTCACTGCGACGTGAACAA
 GGATGAAAAATTCAGAGTCTGAGCTGGCTTTGTGTCTTGGGCTGAAAAATCAACCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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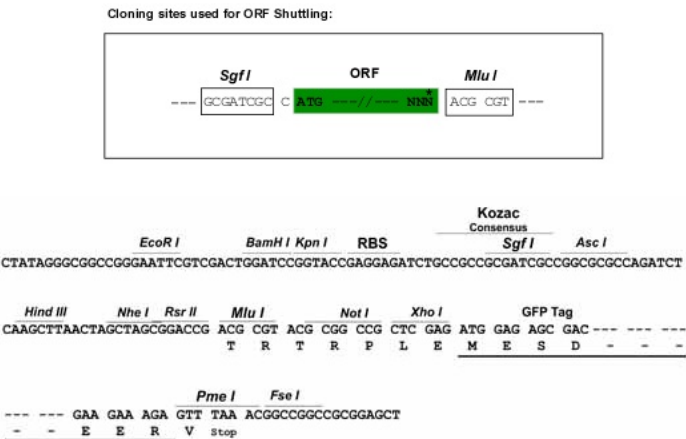
Protein Sequence: >RG201359 representing NM_006998
 Red=Cloning site Green=Tags(s)

MDSSREPTLGRLEDAAGFWQVWQRFDADEKGYIEEKELDAFFLHMLMKLGTDDTVMKANLHKVKQQFMTTQ
 DASKDGRIRMKELAGMFLSEDFLLFRRENPLDSSVEFMQIWRKYDADSSGFI SAAELRNFLRDLFLH
 HKKAISEAKLEEYGTMMKIFDRNKDGRDLNDLARILALQENFLLQFKMDACSTEERKRDFEKIFAYYD
 VSKTGALEGPEVDGFVKDMMELVQPSISGVLDLDFREILLRHCDVNKDGKIQKSELALCLGLKINP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006998

ORF Size: 828 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_006998.4](#)

RefSeq Size: 1492 bp

RefSeq ORF: 831 bp

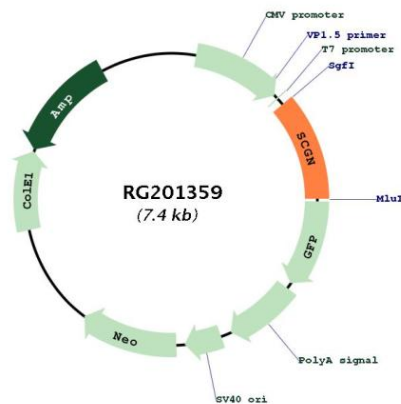
Locus ID: 10590

UniProt ID: [O76038](#)

Cytogenetics: 6p22.2

Gene Summary: The encoded protein is a secreted calcium-binding protein which is found in the cytoplasm. It is related to calbindin D-28K and calretinin. This protein is thought to be involved in KCL-stimulated calcium flux and cell proliferation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201359