

## Product datasheet for **RG209359**

### SCGB1D1 (NM\_006552) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SCGB1D1 (NM\_006552) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SCGB1D1  
**Synonyms:** LIPA; LPHA; LPNA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG209359 representing NM\_006552  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCTGTCGGTGTGCTCCTGCTGCTCAGCTGGCCCTTTGCTGCTACCGGGCAAATGCAGTGGTCT  
GCCAAGCTCTGGTTCTGAAATCACAGGCTTCTTATTAGCTGGAAAACCTGTGTTCAAGTTCCAATTGC  
CAAATTTAAGGCACCTCTGGAAGCTGTTGCAGCCAAGATGGAAGTGAAGAAATGCGTGGATACGATGGCC  
TATGAGAAAAGAGTGCTAATTACAAAAACATTGGGAAAAATAGCAGAGAAATGTGATCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209359 representing NM\_006552  
Red=Cloning site Green=Tags(s)  
MRLSVCLLLLTLALCCYRANAVVCQALGSEITGFLLAGKPVFKFQLAKFKAPLEAVAAMKMEVKKCVDTMA  
YEKRVLITKTLGKIAEKCDR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

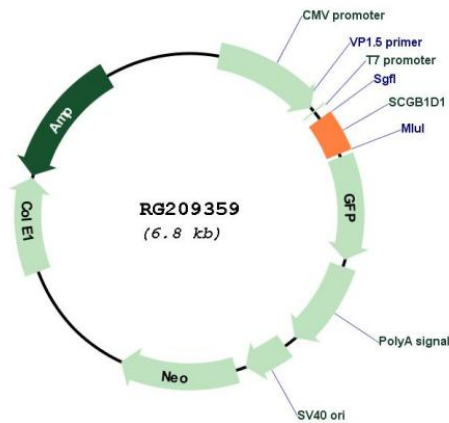


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_006552

ORF Size: 270 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](#)

<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_006552.2</a>
<b>RefSeq Size:</b>	429 bp
<b>RefSeq ORF:</b>	273 bp
<b>Locus ID:</b>	10648
<b>UniProt ID:</b>	<a href="#">O95968</a>
<b>Cytogenetics:</b>	11q12.3
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the lipophilin subfamily, part of the uteroglobin superfamily, and is an ortholog of prostatein, the major secretory glycoprotein of the rat ventral prostate gland. This gene product represents one component of a heterodimeric molecule present in human tears whose elution profile is consistent with prostatein, a tetrameric molecule composed of three peptide components in heterodimers. Assuming that human lipophilins are the functional counterparts of prostatein, they may be transcriptionally regulated by steroid hormones, with the ability to bind androgens, other steroids and possibly bind and concentrate estramustine, a chemotherapeutic agent widely used for prostate cancer. Although the gene has been reported to be on chromosome 15, this sequence appears to be from a cluster of genes on chromosome 11 that includes mammaglobin 2. [provided by RefSeq, Jul 2008]</p>