

## Product datasheet for MC212302

### Scgb3a2 (NM\_054038) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scgb3a2 (NM_054038) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scgb3a2
Synonyms:	LuLeu1; Pnsp1; UGRP1; Utgrp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212302 representing NM_054038 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTGGTATCTATCTTTCTGCTGGTGACCATTTGGTATTTGTGGTTATTCTGCCACTGCCCTTCTCA  
TCAACCGTCTCCCTGTTGTTGACAAATTACCTGTACCTTTGGACGACATTATTCCTCATTTGATCCCTT  
GAAGATGCTTCTGAAAACCTGGGCATTTCTGTAGAACATCTGGTGACAGGACTGAAGAAGTGTGTGGAC  
GAGCTGGGACAGAGGCTTCCGAGGCCGTGAAGAAGCTTCTGGTAATTATAATTTGTTCTTATTTCCCTG  
GGAGAAGCCTTTGCTACGTGAACAACCTCCCATCATTTGTAAGTGTATTATTTCTCCCATGATATGTGC  
ATATCCCAGGGACTCAAAAAGCAAACATTTGCATTTATAGAAAGAGTATTTGAACAGTCTAAGCTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_054038
Insert Size:	420 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_054038.1, NP_473379.1</u>
<b>RefSeq Size:</b>	853 bp
<b>RefSeq ORF:</b>	420 bp
<b>Locus ID:</b>	117158
<b>Cytogenetics:</b>	18 B3
<b>Gene Summary:</b>	<p>Secreted cytokine-like protein (By similarity). Binds to the scavenger receptor MARCO (By similarity). Can also bind to pathogens including the Gram-positive bacterium <i>L.monocytogenes</i>, the Gram-negative bacterium <i>P.aeruginosa</i>, and yeast (By similarity). Strongly inhibits phospholipase A2 (PLA2G1B) activity (PubMed:24213919). Seems to have anti-inflammatory effects in respiratory epithelium (PubMed:16456148, PubMed:25242865). Also has anti-fibrotic activity in lung (PubMed:24213919, PubMed:26559674). May play a role in fetal lung development and maturation (PubMed:18535256). Promotes branching morphogenesis during early stages of lung development (PubMed:18535256). In the pituitary, may inhibit production of follicle-stimulating hormone (FSH) and luteinizing hormone (LH) (PubMed:24514953).[UniProtKB/Swiss-Prot Function]</p>