

## Product datasheet for **MR200231**

### Scgb3a2 (BC061046) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Scgb3a2 (BC061046) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Scgb3a2  
**Synonyms:** Pnsp1, Utgrp1, LuLeu1, UGRP1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR200231 representing BC061046  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGCTGGTATCTATCTTTCTGCTGGTGACCATTGGTATTTGTGGTTATTCTGCCACTGCCCTTCTCA  
TCAACCGTCTCCCTGTTGTTGACAAATTACCTGTACCTTTGGACGACATTATCCCTCATTGATCCCTT  
GAAGATGCTTCTGAAAACCTGGGCATTTCTGTAGAACATCTGGTGACAGGACTGAAGAAGTGTGTGGAC  
GAGCTGGGACCAGAGGCTCCGAGGCCGTGAAGAAGCTTCTGGAGGCTCTTTCACACCTGGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200231 representing BC061046  
Red=Cloning site Green=Tags(s)

MKLVSIFLLVTIGICGSATALLINRLPVVDKLPVPLDDIIPSFDPKMLLKTGLISVEHLVTGLKKCV  
ELGPEASEAVKKLLEALSHLV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



[View online »](#)



<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="#">BC061046.1</a>
<b>RefSeq Size:</b>	664 bp
<b>RefSeq ORF:</b>	275 bp
<b>Locus ID:</b>	117158
<b>Cytogenetics:</b>	18 B3
<b>MW:</b>	24.3 kDa
<b>Gene Summary:</b>	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]