

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 >MR200231 representing BC061046

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAGCTGGTATCTATCTTTCTGCTGGTGACCATTGGTATTTGTGGTTATTCTGCCACTGCCCTTCTCA
TCAACCGTCTCCCTGTTGTTGACAAATTACCTGTACCTTTTGGACGACATTATTCCCTCATTTGATCCCTT
GAAGATGCTTCTGAAAAACCCTGGGCATTTCTGTAGAACATCTGGTGACAGGACTGAAGAAGTGTGTGGAC

GAGCTGGGACCAGAGGCTTCCGAGGCCGTGAAGAAGCTTCTGGAGGCTCTTTCACACCTGGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200231 representing BC061046

Red=Cloning site Green=Tags(s)

MKLVSIFLLVTIGICGYSATALLINRLPVVDKLPVPLDDIIPSFDPLKMLLKTLGISVEHLVTGLKKCVD

ELGPEASEAVKKLLEALSHLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



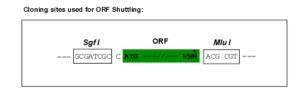
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

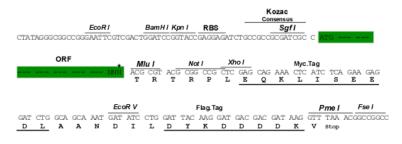
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



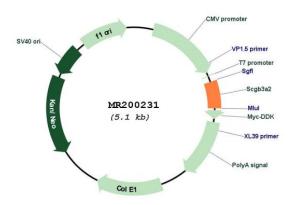
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: BC061046 **ORF Size:** 273 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



MW:

Scgb3a2 (BC061046) Mouse Tagged ORF Clone - MR200231

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.

24.3 kDa

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: <u>BC061046.1</u>

RefSeq Size: 664 bp
RefSeq ORF: 275 bp
Locus ID: 117158
Cytogenetics: 18 B3

Gene Summary: Secreted cytokine-like protein (By similarity). Binds to the scavenger receptor MARCO (By

similarity). Can also bind to pathogens including the Gram-positive bacterium

L.monocytogenes, the Gram-negative bacterium P.aeruginosa, 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]