

Product datasheet for **RC205635**

SCGB3A2 (NM_054023) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCGB3A2 (NM_054023) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SCGB3A2
Synonyms: LU103; pnSP-1; PNSP1; UGRP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205635 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGGTAACTATCTTCTGCTGGTGACCATCAGCCTTTGTAGTTACTCTGCTACTGCCTTCCTCA
TCAACAAAGTGCCCTTCTGTTGACAAGTTGGCACCTTACCTCTGGACAACATTCTCCCTTTATGGA
TCCATTAAGCTTCTTCTGAAACTCTGGGCATTTCTGTTGAGCACCTTGTGGAGGGGCTAAGGAAGTGT
GTAATGAGCTGGGACCAGAGGCTTCTGAAGCTGTGAAGAACTGCTGGAGGCGCTATCACACTTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205635 protein sequence
Red=Cloning site Green=Tags(s)
MKLVITIFLLVTISLCSYSATAFLINKVPLPVDKLAPLPLDNILPFMDPLKLLKTLGISVEHLVEGLRKC
VNELGPEASEAVKLLLEALSHLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6069_f06.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_054023

ORF Size: 279 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_054023.5](#)

RefSeq Size: 520 bp

RefSeq ORF: 282 bp

Locus ID: 117156

UniProt ID: [Q96PL1](#)

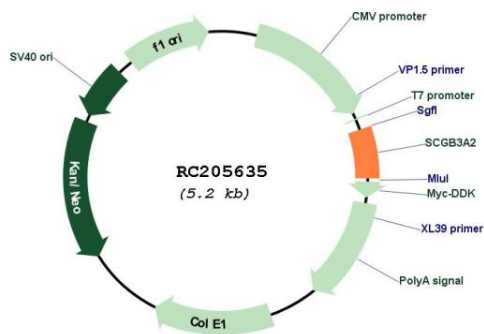
Cytogenetics: 5q32

Protein Families: Secreted Protein

MW: 10.2 kDa

Gene Summary: The protein encoded by this gene is a secreted lung surfactant protein and a downstream target of thyroid transcription factor. A single nucleotide polymorphism in the promoter of this gene results in susceptibility to asthma.[provided by RefSeq, Mar 2010]

Product images:



Circular map for RC205635