

Product datasheet for **RG205635**

SCGB3A2 (NM_054023) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCGB3A2 (NM_054023) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SCGB3A2
Synonyms: LU103; pnSP-1; PNSP1; UGRP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205635 representing NM_054023
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTGGTAACTATCTTCTGCTGGTGACCATCAGCCTTTGTAGTTACTCTGCTACTGCCTTCCTCA
 TCAACAAAGTGCCCTTCTGTTGACAAGTTGGCACCTTACCTCTGGACAACATTCTCCCTTTATGGA
 TCCATTAAGCTTCTTCTGAAACTCTGGGCATTTCTGTTGAGCACCTTGTGGAGGGGCTAAGGAAGTGT
 GTAAATGAGCTGGACCAGAGGCTTCTGAAGCTGTGAAGAACTGCTGGAGGCGCTATCACACTTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205635 representing NM_054023
 Red=Cloning site Green=Tags(s)
 MKLVITIFLLVTISLCSYSATAFLINKVPLPVDKLAFLPLDNLPLFMDPLKLLKTLGISVEHLVEGLRKC
 VNELGPEASEAVKLLLEALSHLV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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:

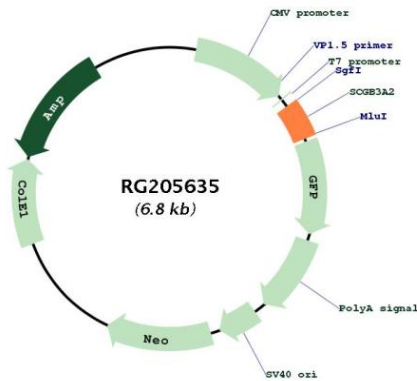
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: 550 bp

RefSeq ORF: 282 bp
Locus ID: 117156
UniProt ID: [Q96PL1](#)
Cytogenetics: 5q32
Protein Families: Secreted Protein
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 RG205635