

Product datasheet for MR223117

Scgb3a1 (NM_170727) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scgb3a1 (NM_170727) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Scgb3a1
Synonyms: HIN; HIN-1; LuLe; LuLeu2; Pnsp2; UGR; UGRP2; Utgrp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR223117 representing NM_170727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCCAATCAGCAAGGCACAGTGTGCTTTCTTCATGGACTCATTGGCCAAGCTGCGGTAGAAC
 CCGTGGCCGCCCTTGCTCCAGCTGCAGAGGCTGTGGCAGGGGCTGTGCCTAGCCTACCATTAAAGCCACTT
 GGCCATCCTGAGTTTCATCCTGGCCAGCATGGGCATCCCATTGGATCCTCTCATAGAGGGATCCAGGAAG
 TGTGTACCGAGCTGGGCCCTGAGGCTGTAGGAGCTGTGAAGTACTGCTGGGGTCTGACAATGTTCCG
 GT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223117 representing NM_170727
 Red=Cloning site Green=Tags(s)

MSPQSARHSVAFFMDSLAKPAVEPVAALAPAAEAVAGAVPSLPLSHLAILRFILASMGIPLDPLIEGSRK
 CVTELGPEAVGAVKSLLGVLTMFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

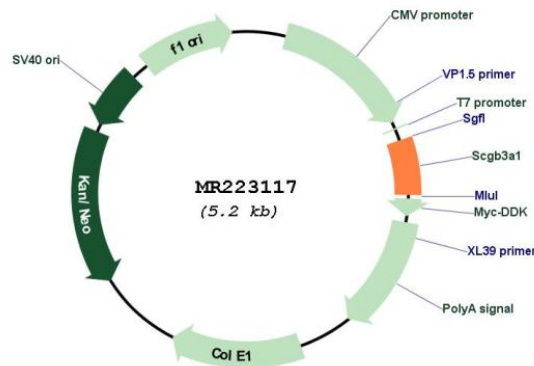


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Cloning Scheme:



Plasmid Map:



ACCN: NM_170727

ORF Size: 282 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:	<ol style="list-style-type: none">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:	<u>NM_170727.2</u> , <u>NP_733923.1</u>
RefSeq Size:	630 bp
RefSeq ORF:	285 bp
Locus ID:	68662
Cytogenetics:	11 29.75 cM
MW:	10 kDa
Gene Summary:	This gene encodes a small secreted protein that may function in the inhibition of cell growth. Expression of the related gene in humans is downregulated via DNA methylation in breast cancers and other tumor types. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]