

Product datasheet for **RC202497**

Uteroglobin (SCGB1A1) (NM_003357) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uteroglobin (SCGB1A1) (NM_003357) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SCGB1A1
Synonyms: CC10; CC16; CCPBP; CCSP; UGB; UP-1; UP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC202497 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAACTCGCTGTACCCCTCACCTGGTCACACTGGCTCTCTGCTGCAGCTCCGCTTTCGAGAGATCT
GCCCGAGCTTTCAGCGTGTGCATCGAAACCCTCCTCATGGACACACCTCCAGTTATGAGGCTGCCATGGA
ACTTTTCAGCCCTGATCAAGACATGAGGGAGGCAGGGGCTCAGCTGAAGAAGCTGGTGGACACCCCTCCC
CAAAGCCAGAGAAAGCATCATTAAAGCTCATGAAAAAATAGCCCAAAGCTCACTGTGTAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202497 protein sequence
Red=Cloning site Green=Tags(s)

MKLAVTLTLVTLALCCSSASAEICPSFQRVIETLLMDTPSSYEAAAMELFSPDQDMREAGAQLKLVDTLP
QKPRESIIKLMEKIAQSSLCN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6391_d11.zip

Restriction Sites: Sgfl-Mlul

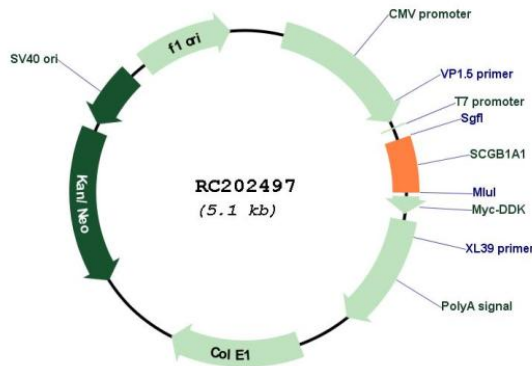


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Cloning Scheme:



Plasmid Map:



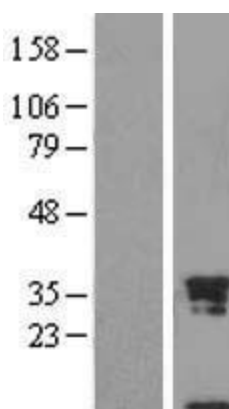
ACCN: NM_003357

ORF Size: 273 bp

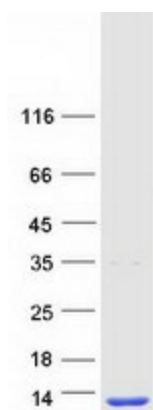
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	NM_003357.5
RefSeq Size:	452 bp
RefSeq ORF:	276 bp
Locus ID:	7356
UniProt ID:	P11684
Cytogenetics:	11q12.3
Protein Families:	Druggable Genome, Secreted Protein
MW:	10 kDa
Gene Summary:	This gene encodes a member of the secretoglobin family of small secreted proteins. The encoded protein has been implicated in numerous functions including anti-inflammation, inhibition of phospholipase A2 and the sequestering of hydrophobic ligands. Defects in this gene are associated with a susceptibility to asthma. [provided by RefSeq, May 2010]

Product images:



Western blot validation of overexpression lysate (Cat# [LY418739]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202497 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SCGB1A1 protein (Cat# [TP302497]). The protein was produced from HEK293T cells transfected with SCGB1A1 cDNA clone (Cat# RC202497) using MegaTran 2.0 (Cat# [TT210002]).