

## Product datasheet for **SC303788**

### SCGB1D1 (NM\_006552) Human Untagged Clone

#### Product data:

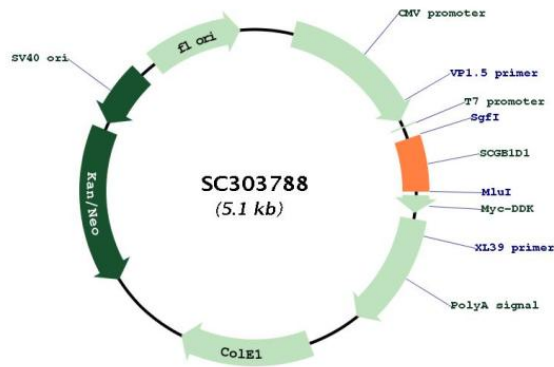
Product Type:	Expression Plasmids
Product Name:	SCGB1D1 (NM_006552) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCGB1D1
Synonyms:	LIPA; LPHA; LPNA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303788 representing NM_006552. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGCTGTCGGTGTCTCCTGCTGCTCAGCTGGCCCTTTGCTGCTACCGGGCAAATGCAGTGGTC
TGCCAAGCTCTTGGTTCTGAAATCACAGGCTTCTATTAGCTGGAAAACCTGTGTTCAAGTTCCAACCT
GCCAAATTTAAGGCACCTCTGGAAGCTGTTGCAGCCAAGATGGAAGTGAAGAAATGCGTGGATACGATG
GCCTATGAGAAAAGAGTGCTAATTACAAAACATTGGGAAAAATAGCAGAGAAATGTGATCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_006552

**Insert Size:** 273 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_006552.1](#)

**RefSeq Size:** 429 bp

**RefSeq ORF:** 273 bp

**Locus ID:** 10648

**UniProt ID:** [O95968](#)

**Cytogenetics:** 11q12.3

**Protein Families:** Secreted Protein

**MW:** 9.9 kDa

**Gene Summary:** The protein encoded by this gene is a member of the lipophilin subfamily, part of the uteroglobin superfamily, and is an ortholog of prostatein, the major secretory glycoprotein of the rat ventral prostate gland. This gene product represents one component of a heterodimeric molecule present in human tears whose elution profile is consistent with prostatein, a tetrameric molecule composed of three peptide components in heterodimers. Assuming that human lipophilins are the functional counterparts of prostatein, they may be transcriptionally regulated by steroid hormones, with the ability to bind androgens, other steroids and possibly bind and concentrate estramustine, a chemotherapeutic agent widely used for prostate cancer. Although the gene has been reported to be on chromosome 15, this sequence appears to be from a cluster of genes on chromosome 11 that includes mammaglobin 2. [provided by RefSeq, Jul 2008]