

## Product datasheet for **SC330481**

### STOML1 (NM\_001256674) Human Untagged Clone

#### Product data:

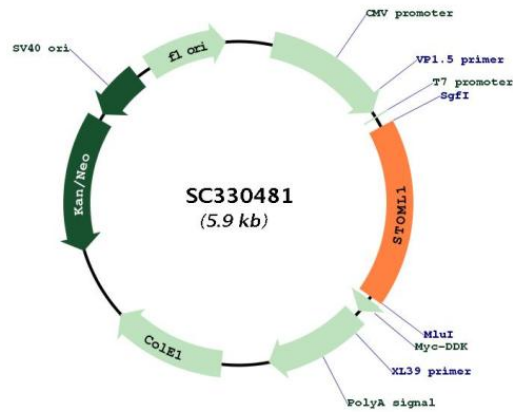
**Product Type:** Expression Plasmids  
**Product Name:** STOML1 (NM\_001256674) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STOML1  
**Synonyms:** hUNC-24; SLP-1; STORP  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330481 representing NM\_001256674.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCTCGGCAGGTCTGGGTACCGGGCGCTGCCCTGGGTGATTTTGACCGCTTCCAGCAGTCGAGCTTC
GGCTTTCTGGGCTCGCAGAAGGGCTGCTTGTCCCCGGAGCGGGCGGCGTGGGGACAGGGCCGATGTA
CCCCAGAGCTGGCCCTCCTGCCTCTGTCATGGCCTCATCAGTTTCTGGGGTTCTTGCTGCTGTTGGTC
ACCTTCCCATTCTGGCTGGTTTGCCCTGAAGCTGGCCTCTAAGGACGGGGCTGTGCTGTCCGTGGGA
GCCGATGTCCAGTTTCGCATCTGGGACCCGGTGTGTCGGTGATGACTGTGAAAGACCTGAACACAGCC
ACACGCATGACAGCCCAGAACGCCATGACCAAGGCCCTGCTCAAGAGGCCCTGCGGGAGATCCAGATG
GAGAAGCTCAAGATCAGCGACCAGCTTCTGCTGGAGATCAACGATGTGACCAGGGCCTGGGGCTGGAG
GTAGACCGCGTGGAGCTGGCAGTGGAGGCCGTGCTCCAGCCGCCAGGACAGCCAGCTGGGCCAAC
CTGGACAGCACCTCCAGCAGCTGGCCCTGCACTTCTGGGAGGAAGCATGAACTCAATGGCAGGAGGT
GCCCCGTCCCCGGGGCCAGACACCGTGGAGATGGTGAGTGAAGTTGAGCCACCTGCCCTCAAGTTGGT
GCCAGTCCAGTCCGAAGCAGCCTCTGGCGGAGGGGCTACTGACTGCTCTACAGCCCTTCTGTCTGAG
GCCCTGGTCAGCCAAGTCGGGGCCTGCTACCAGTTCAATGTCGTCCTGCCAGCGGCACCCAAAGCGCC
TACTTCTGGACCTCACTACAGGACGAGGAAGAGTGGGACACGGGGTGCCTGATGGCATCCCTGATGTG
GTGGTGGAGATGGCCGAGGCAGACCTGCGGGCCCTGCTATGCAGAGAGCTGCGGCCCTGGGGCCCTAC
ATGAGTGGACGGCTGAAGGTGAAGGGCGACCTGGCTATGCCATGAAGCTGGAGGCTGCCTCAGGGCC
TTGAAGTAG
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001256674

**Insert Size:** 1044 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).

**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\\_001256674.1](#)

**RefSeq Size:** 1888 bp

RefSeq ORF: 1044 bp

Locus ID: 9399

UniProt ID: [Q9UBI4](#)

Cytogenetics: 15q24.1

Protein Families: Transmembrane

MW: 37.1 kDa

**Gene Summary:** May play a role in cholesterol transfer to late endosomes (PubMed:19696025). May play a role in modulating membrane acid-sensing ion channels. Can specifically inhibit proton-gated current of ASIC1 isoform 1. Can increase inactivation speed of ASIC3. May be involved in regulation of proton sensing in dorsal root ganglions (By similarity). May play a role in protecting FBXW7 isoform 3 from degradation (PubMed:23082202).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) lacks an exon and uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (4) is shorter than isoform 1.