

## Product datasheet for **RC232542**

### STOML1 (NM\_001256674) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STOML1 (NM\_001256674) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** STOML1  
**Synonyms:** hUNC-24; SLP-1; STORP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232542 representing NM\_001256674  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTCGGCAGGTCTGGGTACCGGGCGCTGCCCTGGGTGATTTGACCGCTTCCAGCAGTCGAGCTTCG  
GCTTTCTGGGCTCGAGAAGGGCTGCTTGTCCCGGAGCGGGCGCGTGGGACAGGGCCGATGTACC  
CCAGAGCTGGCCCTCCTGCCTCTGTCATGGCCTCATCAGTTTCTGGGGTCTTGCTGCTGTTGGTCACC  
TTCCCCATTTCTGGCTGGTTGCCCTGAAGCTGGCCTCTAAGGACGGGGCTGTGCTGTCCGTGGGAGCCG  
ATGTCCAGTTTCGCATCTGGGACCCGGTGTGTCGGTGATGACTGTGAAAGACCTGAACACAGCCACACG  
CATGACAGCCCAGAACGCCATGACCAAGGCCCTGCTCAAGAGGCCGCTGCGGGAGATCCAGATGGAGAAG  
CTCAAGATCAGCGACCAGCTTCTGCTGGAGATCAACGATGTGACCAGGGCCTGGGGGCTGGAGGTAGACC  
GCGTGGAGCTGGCAGTGGAGGCCGTGCTCCAGCCGCCAGGACAGCCAGCTGGGCCAACCTGGACAG  
CACCTCCAGCAGCTGGCCCTGCACTTCTGGGAGGAAGCATGAAGTCAATGGCAGGAGGTGCCCGTCC  
CCGGGGCCAGACACCGTGGAGATGGTGAAGTTGAGCCACCTGCCCTCAAGTTGGTCCAGGTCCA  
GTCCGAAGCAGCCTCTGGCGGAGGGGCTACTGACTGCTCTACAGCCCTTCTGCTGTCAGCCCTGGTCAG  
CCAAGTCGGGCCCTGCTACCAGTTCAATGTCTGCTCCTGCCAGCGCACCCAAAGCGCCTACTTCTGGAC  
CTCACTACAGGACGAGGAAGAGTGGGACACGGGTGCCTGATGGCATCCCTGATGTGGTGGTGGAGATGG  
CCGAGGCAGACCTGCGGGCCCTGCTATGCAGAGAGCTGCGGCCCTGGGGCCTACATGAGTGGACGGCT  
GAAGGTGAAGGGCAGCTGGCTATGGCCATGAAGCTGGAGGCTGTCTCAGGGCCTTGAAG

**ACGGT**ACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232542 representing NM\_001256674  
 Red=Cloning site Green=Tags(s)

MLGRSGYRALPLGDFDRFQQSSFGLGSQKGLSPERGGVGTGADVPQSWPSC LCHGLISFLGFLLLLVT  
 FPISGWFALKLASKDGAVLSVGADVQFRIWDPVLSVMTVKDLNATRMTAQNAMTKALLKRPLREIQMEK  
 LKISDQLLLEINDVTRAWGLEVDRVELAVEAVLQPPQDSPAGPNLDSTLQQLALHFLGGSMNSMAGGAPS  
 PGPDTVEMVSEVEPPAPQVGARSSPKQPLAEGLLTALQPFLSEALVSQVGACYQFNVVLPSTQSAFYFLD  
 LTTGRGRVGHGVPDGI PDVVVEMAEADLRALLCRELRPLGAYMSGRLKVKGLAMAMKLEAVLRALK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

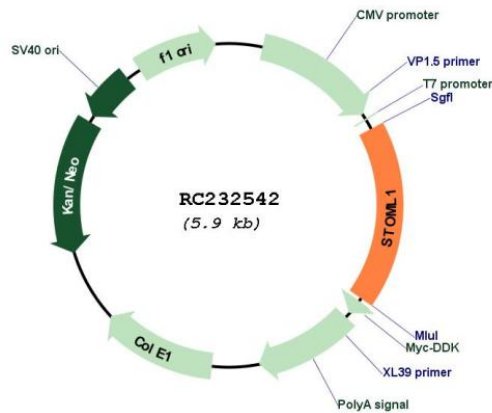
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001256674

**ORF Size:** 1041 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256674.2</a>
<b>RefSeq Size:</b>	1888 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	9399
<b>UniProt ID:</b>	<a href="#">Q9UBI4</a>
<b>Cytogenetics:</b>	15q24.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	37.5 kDa
<b>Gene Summary:</b>	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]