

## Product datasheet for **RC232490**

### STOML1 (NM\_001256675) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STOML1 (NM\_001256675) 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:** >RC232490 representing NM\_001256675  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTCGGCAGGTCTGGGTACCGGGCGCTGCCCTGGGTGATTTGACCGCTTCCAGCAGTCGAGCTTCG  
GCTTTCTGGGCTCGAGAAGGGCTGCTTGTCCCGGAGCGGGCGGCGTGGGACAGGGCCGATGTACC  
CCAGAGCTGGCCCTCCTGCCTCTGTCATGGCCTCATCAGTTTCTGGGGTCTTGCTGCTGTTGGTCACC  
TTCCCCATTTCTGGCTGGTTGCCCTGAAGATTGTGCCACCTACGAGCGGATGATTGTGTTCCGCCTGG  
GCCGGATCCGCACCCCCAGGGACCTGGCATGGTTCTGCTCTTGCCCTTCATTGACTCCTTTAGAGGGT  
GGATCTGAGGACACGAGCCTTCAACGTCCTCCCTGCAAGCTGGCCTCTAAGGACGGGGCTGTGCTGTCC  
GTGGGAGCCGATGTCCAGTTTCGCATCTGGGACCCGGTGTGTCGGTGATGACTGTGAAAGACCTGAACA  
CAGCCACACGCATGACAGCCCAGAACGCCATGACCAAGGCCCTGCTCAAGAGGCCGCTGCGGGAGATCCA  
GATGGAGAAGCTCAAGATCAGCGACCAGCTTCTGCTGGAGATCAACGATGTGACCAGGGCCTGGGGGCTG  
GAGGTAGACCCGCTGGAGCTGGCAGTGGAGGCCGTGCTCCAGCCGCCAGGACAGCCAGCTGGGCCCA  
ACCTGGACAGCACCTCCAGCAGCTGGCCCTGCACCTTCTGGGAGGAAGCATGAACTCAATGGCAGGAGG  
TGCCCCGTCCCCGGGGCCAGGACGAGGAAGAGTGGGACACGGGGTGCCTGATGGCATCCCTGATGTGGTG  
GTGGAGATGGCCGAGGCAGACCTGCGGGCCCTGCTATGCAGAGAGCTGCGGCCCTGGGGCCCTACATGA  
GTGGACGGCTGAAGGTGAAGGGGACCTGGCTATGGCCATGAAGCTGGAGGCTGTCTCAGGGCCTTGAA  
G

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232490 representing NM\_001256675  
 Red=Cloning site Green=Tags(s)

MLGRSGYRALPLGDFDRFQQSSFGFLGSQKGLSPERGGVGTGADVPQSWPSC LCHGLISFLGFLLLLVT  
 FPISGWFALKIVPTYERMIVFRLGRIRTPQGGMVLLLPFIDSFQRVDLRTRAFNVPPCKLASKDGAVLS  
 VGADVQFRIWDPVLSVMTVKDLNATRMTAQNAMTKALLKRPLREIQMEKLIKISDQLLEINDVTRAWGL  
 EVDRVELAVEAVLQPPQDSPAGPNLDSTLQQLALHFLGGSMNSMAGGAPSPGPGRGRVGHGVDPGIPDVV  
 VEMAEADLRALLCRELRPLGAYMSGRLKVKGDLAMAMKLEAVLRALK

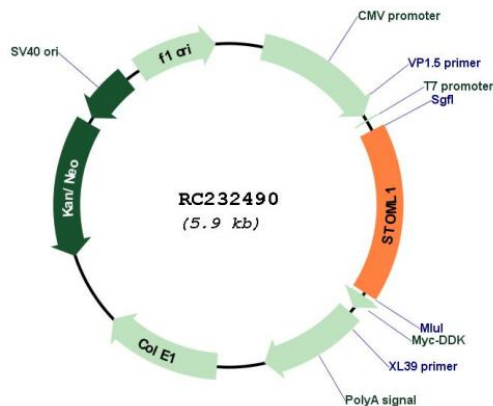
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001256675

**ORF Size:** 981 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_001256675.2</a>
<b>RefSeq Size:</b>	1828 bp
<b>RefSeq ORF:</b>	984 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>	36 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]