

Product datasheet for **RC232546**

STOML1 (NM_001256673) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STOML1 (NM_001256673) 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: >RC232546 representing NM_001256673
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCGGCAGGCTGGGTACCGGGCGCTGCCCTGGGTGATTTGACCGCTTCCAGCAGTCGAGCTTCG
GCTTTCTGGGCTCGAGAAGGGCTGCTTGTCCCGGAGCGGGCGCGTGGGACAGGGCCGATGTACC
CCAGAGCTGGCCCTCCTGCCTCTGTCATGGCCTCATCAGTTTCTGGGGTCTTGCTGCTGTTGGTCACC
TTCCCCATTTCTGGCTGTTTGCCTGAAGCTGGCCTCTAAGGACGGGGCTGTGCTGTCCGTGGGAGCCG
ATGTCCAGTTTTCGCATCTGGGACCCGGTGTGTCGGTGATGACTGTGAAAGACCTGAACACAGCCACACG
CATGACAGCCCAGAACGCCATGACCAAGGCCCTGCTCAAGAGGCCGCTGCGGGAGATCCAGATGGAGAAG
CTCAAGATCAGCGACCAGCTTCTGCTGGAGATCAACGATGTGACCAGGGCCTGGGGGCTGGAGGTAGACC
GCGTGGAGCTGGCAGTGGAGGCCGTGCTCCAGCCGCCAGGACAGCCAGCTGGGCCAACCTGGACAG
CACCTCCAGCAGCTGGCCCTGCACTTCTGGGAGGAAGCATGAACTCAATGGCAGGAGGTGCCCGTCC
CCGGGGCCAGCAGACACCGTGGAGATGGTGAGTGAAGTTGAGCCACCTGCCCTCAAGTTGGTCCAGGT
CCAGTCCGAAGCAGCCTCTGGCGAGGGGCTACTGACTGCTCTACAGCCCTTCTGTCTGAGGCCCTGGT
CAGCCAAGTCGGGGCCTGTACCAGTTCAATGTGTCCTGCCAGCGGCACCCAAAGCGCCTACTTCTGTG
GACCTCACTACAGGACGAGGAAGAGTGGGACACGGGGTGCCTGATGGCATCCCTGATGTGGTGGTGGAGA
TGGCCGAGGCAGACCTGCGGGCCCTGCTATGCAGAGAGCTGCGGCCCTGGGGCCCTACATGAGTGGACG
GCTGAAGGTGAAGGGCGACCTGGCTATGGCCATGAAGCTGGAGGCTGTCCTCAGGGCCTTGAAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232546 representing NM_001256673
 Red=Cloning site Green=Tags(s)

MLGRSGYRALPLGDFDRFQQSSFGLGSQKGC LSPERGGVGTGADVPQSWPSC LCHGLISFLGFLLLLVT
 FPI SGWFALKASKDGAVL SVGADVQFRIWDPVLSVMTVKDLNTATRMTAQNAMTKALLKRPLREIQMEK
 LKISDQLLLEINDVTRAWGLEVDRVELAVEAVLQPPQDSPAGPNLDSTLQQLALHFLGGSMNSMAGGAPS
 PGPADTVEMVSEVEPPAPQVGARSSPKQPLAEGLLTALQPFLSEALVSQVGACYQFNVVLPSTQSA YFL
 DLTTGRGRVGHGVPDGI PDVVVEMAEADLRALLCRELRPLGAYMSGRLKVKGDLAMAMKLEAVLRALK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

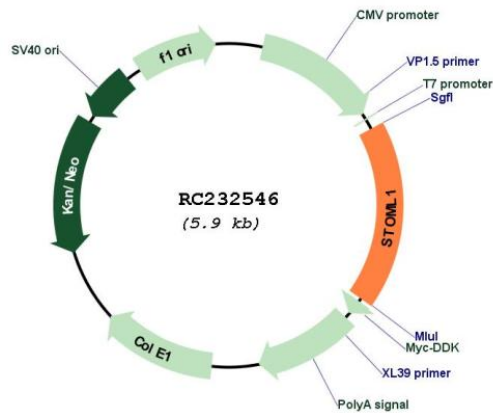
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256673

ORF Size: 1044 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_001256673.1 , NP_001243602.1
RefSeq Size:	1891 bp
RefSeq ORF:	1047 bp
Locus ID:	9399
UniProt ID:	Q9UBI4
Cytogenetics:	15q24.1
Protein Families:	Transmembrane
MW:	37.6 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]