

Product datasheet for RC232652

STOML1 (NM_001256672) Human Tagged ORF Clone

Product data:

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|--------------------------|--------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | STOML1 (NM_001256672) 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: | >RC232652 representing NM_001256672 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCGGCAGGTCTGGGTACCGGGCGCTGCCCTGGGTGATTTGACCGCTTCCAGCAGTCGAGCTTCG
GCTTTCTGGGCTCGAGAAGGGCTGCTTGTCCCGGAGCGGGCGCGTGGGACAGGGGCCGATGTACC
CCAGAGCTGGCCCTCCTGCCTCTGTGCATGGCCTCATCAGTTTCTGGGGTCTTGCTGCTGTTGGTCACC
TTCCCCATTTCTGGCTGGTTGCCCTGAAGATTGTGCCACCTACGAGCGGATGATTGTGTTCCGCCTGG
GCCGGATCCGCACCCCCAGGGACCTGGCATGGTTCTGCTCTTGCCCTTCATTGACTCCTTTAGAGGGT
GGATCTGAGGACACGAGCCTTCAACGTCCTCCCTGCAAGCTGGCCTCTAAGGACGGGGCTGTGCTGTCC
GTGGGAGCCGATGTCCAGTTTCGCATCTGGGACCCGGTGTGTCGGTGATGACTGTGAAAGACCTGAACA
CAGCCACACGCATGACAGCCCAGAACGCCATGACCAAGGCCCTGCTCAAGAGGCCGCTGCGGGAGATCCA
GATGGAGAAGCTCAAGATCAGCGACCAGCTTCTGCTGGAGATCAACGATGTGACCAGGGCCTGGGGGCTG
GAGGTAGACCCGCTGGAGCTGGCAGTGGAGGCCGTGCTCCAGCCGCCAGGACAGCCAGCTGGGCCCA
ACCTGGACAGCACCTCCAGCAGCTGGCCCTGCACCTTCTGGGAGGAAGCATGAACTCAATGGCAGGAGG
TGCCCCGTCCCCGGGGCCAGACACCGTGGAGATGGTGAGTGAAGTTGAGCCACCTGCCCTCAAGTTGGT
GCCAGGTCAGTCCGAAGCAGCCTCTGGCGGAGGGGCTACTGACTGCTCTACAGCCCTTCTGTCTGAGG
CCCTGGTCAGCCAAGTCGGGGCCTGCTACCAGTTCAATGTCGTCCTGCCAGCGCACCCAAAGCGCCTA
CTTCTGGACCTCACTACAGGACGAGGAAGAGTGGGACACGGGGTGCCTGATGGCATCCCTGATGTGGTG
GTGGAGATGGCCGAGGACAGCTGCGGGCCCTGCTATGCAGAGAGCTGCGGCCCTGGGGCCCTACATGA
GTGGACGGCTGAAGGTGAAGGGCAGCTGGCTATGGCCATGAAGCTGGAGGCTGCTCCTCAGGGCCTGAA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232652 representing NM_001256672
 Red=Cloning site Green=Tags(s)

MLGRSGYRALPLGDFDRFQQSSFGLGSQKGLSPERGGVGTGADVPQSWPSC LCHGLISFLGFLLLLVT
 FPI SGWFALKIVPTYERMIVFRLGRIRTPQPGMVLLL PFIDSFQRV DLRTRAFNVPPCKLASKDGAVLS
 VGADVQFRIWDPVLSVMTVKDLNTATRMTAQNAMTKALLKRPLREIQMEKLKISDQLLLEINDVTRAWGL
 EVDRVELAVEAVLQPPQDSPAGPNLDSTLQQLALHFLGGSMNSMAGGAPSPGPDTVEMVSEVEPPAPQVG
 ARSSPKQPLAEGLLTALQPFLSEALVSQVGACYQFNVLPSGTQSAYFLDLTTGRGRVGHGVPDGI PDVV
 VEMAEADLRALLCRELRPLGAYMSGRLKVKGDLAMAMKLEAVLRALK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

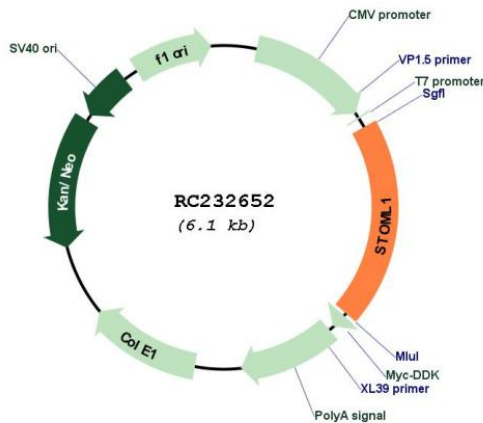
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256672

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| ORF Size: | 1191 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_001256672.2 |
| RefSeq Size: | 2038 bp |
| RefSeq ORF: | 1194 bp |
| Locus ID: | 9399 |
| UniProt ID: | Q9UBI4 |
| Cytogenetics: | 15q24.1 |
| Protein Families: | Transmembrane |
| MW: | 43.3 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] |