

Product datasheet for SC117118

STOML1 (NM_004809) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STOML1 (NM_004809) Human Untagged Clone
Tag:	Tag Free
Symbol:	STOML1
Synonyms:	hUNC-24; SLP-1; STORP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117118 sequence for NM_004809 edited (data generated by NextGen Sequencing)

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ATGCTCGGCAGGTCTGGGTACCGGGCGCTGCCCTGGGTGATTTTGACCGCTTCCAGCAG
TCGAGCTTCGGCTTTCTGGGCTCGCAGAAGGGCTGCTTGTCCCGGAGCGGGCGCGGTG
GGGACAGGGGCCGATGTACCCAGAGCTGGCCCTCCTGCCTCTGTCATGGCCTCATCAGT
TTCCTGGGGTTCTTGCTGCTGTTGGTCACCTTCCCATTTCTGGCTGGTTTGCCTGAAG
ATTGTGCCACCTACGAGCGGATGATTGTGTTCCGCTGGGCCGGATCCGCACCCCCAG
GGACCTGGCATGGTTCTGCTCTTGCCCTCATTGACTCCTTTAGAGGGTGGATCTGAGG
ACACGAGCCTTCAACGTCCCTCCCTGCAAGCTGGCCTCTAAGGACGGGGCTGTGCTGTCC
GTGGGAGCCGATGTCCAGTTTCGCATCTGGGACCCGGTGTGTCGGTGATGACTGTGAAA
GACCTGAACACAGCCACACGCATGACAGCCAGAACGCCATGACCAAGGCCCTGCTCAAG
AGGCCGCTGCGGGAGATCCAGATGGAGAAGCTCAAGATCAGCGACCAGCTTCTGCTGGAG
ATCAACGATGTGACCAGGGCCTGGGGGCTGGAGGTAGACCGCGTGAGCTGGCGGTGGAG
GCCGTGCTCCAGCCGCCAGGACAGCCAGCTGGGCCAACCTGGACAGCACCTCCAG
CAGCTGGCCCTGCACTTCTGGGAGGAAGCATGAACTCAATGGCAGGAGGTGCCCGTCC
CCGGGGCCAGCAGACACCGTGGAGATGGTGAGTGAAGTTGAGCCACCTGCCCTCAAGTT
GGTGCCAGGTCCAGTCCGAAGCAGCCTCTGGCGGAGGGGCTACTGACTGCTCTACAGCCC
TTCCTGTCTGAGGCCCTGGTCAGCCAAGTCGGGGCCTGTACCAGTTCAATGTCGTCCTG
CCAGCGGTGCCTGATGGCATCCCTGATGTGGTGGTGGAGATGGCCGAGGCAGACCTGCGG
GCCCTGCTATGCAGAGAGCTGCGGCCCTGGGGCCTACATGAGTGGACGGCTGAAGGTG
AAGGGCGACCTGGCTATGGCCATGAAGCTGGAGGCTGTCCTCAGGGCCTTGAAGTAG

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Clone variation with respect to NM_004809.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004809 unedited
 GGTAACGTTTGNCAATTTTGTAAATACGACTCACTATAGGCGGCCCGCAATTTCGCACGAGG
 CACGCGTGAGCGCGGGGCGTGTCTCATGTCAAAGCCATGCTGTGCAAGTCTGGTTACCGG
 ACGCTGCCCTGGGTGATTTTGACCGCTTCCAGGATCGAGCTTCTGCTTTCTGGGCTCGC
 AGAAGGGCTGCTGTCCCCGGAGCGGCTCGGCGTGGGACAGGGGCCGATGTACCCAAGA
 GCTGGCCCTCCTGTCTCTGACATGGTCTCATCACCTTGTGGGGCTTTGCTGCTGTTGG
 ACACCTTCCCCATTTCTGGCTGTTTTGCCCTGAAGATTGTGCCACCTACGAGCGGATGA
 TTGTGTTCCGCTGGGCCGGATCCACACCCCCACGGACCTGGCATGGATCTGCTTTGC
 CCTTCATTGACTCCTTTAGAGGGTGTATCTGAGGACACGAGCCTACAACGACCCTCCC
 TGAATCTGGCCTCTAACGACGGCGCTGTGCTGTCCGTGAGAGCCCATGTCCAGCTTTGC
 ATCTGGGACCCGGTGTGTCCGTGATGACTGTGAAAGACCCGAACACAGCCACACACATG
 ACAGCCCAGAGCGCCCTGACCAAGGCCCTGCTCAATGAGCCGCTGCACAATATCCAGATG
 GCTAAGCTCATGATCAACGACCAGCTTCTGCTGAAAATCAACGATGTGACACAGGCTGC
 GGGCCTGACGTAGACCGCTGGAGCTGGCGGACGTAGCCTTGATCAATCTGCGAGAAAAG
 CCTAACTGGGTCAAGCTGGACATACTCTCGACATGTGGACCTGTCTACTGCGAGTAGTCA
 TGACTCATGGCAGGAGTGACCCGCTCCCGAGCCAGCTACACGTAGAGATGCTAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004809 unedited
 NNTTTTGCTCTGGACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTACA
 TTGTAACACCACATTTATTTGTCTGAGGCTTGCAAACCTCTGGTAAGAAGCACAGAACG
 CAGGGCTCTCCTTCATGTGCCCTGGGCCCCAGCTCGCCAGGCATGCAGGACAGAGCTGG
 CAGATGAGTCAGAAATCTTTGGGAGCAGCGCCAGGGAAGCAGCAGGCCCTGCTCCTTCCC
 ATGCCAATCCCAGCAGCGGGCTGGACTGCAGCCAGGAAGGTGGGCCAGCCAGGATC
 CCCAGGTAACCTCGCCACAGGGACCTTCTTGGAGCTGCCTTCCCTTCCCTCCCATCC
 CTCTCCAATCCCCGAGAGCTTAGAGCCTGGGCCACATGCTTGGTCCCTCACACAAGGAC
 CAAACCAGCTGTGTGAGGCTGTTTCTGTGGGTCTGTCTCTCCAGTCAGGAAGCCAGCA
 GGGCAGGGCAGGCTGGCTCTCCTCCTGGAATCACACCGTGCACCCAGCTCAGCGCTGGG
 CACTCAGCTGGGACCGGGATGGACAAAGCCTTGTCCAGAGAACCACTGTAGGGGAGACG
 TGCATGGCAGCCGGACTCAGCCTCCTGCAGCCTCATTTCATGGGCTTTGGCTGGGCCTG
 AAATTTGTTAGGGCCTCAACTCTCTGTGGTGCAGATGAACACCTCCTCCTCAAGAGCCC
 CTCAGGCTTGCCAGGCTTGGGACTGGGCTCTGGAAAGCAGCCAAGGCTGCTACTTCAAGG
 CCCTGAGGACAGCCTCCAGCTTCATGGCCACTAGCCAGGTCGCCCTTACCTTCAGCCGG
 GCACTCATGTAGGCCCCAGGGCCGCAACTTTCTGCATACCAGGGCCCCGAGGTCTGCC
 TCGGGCATTTCACCACCTTAGGG

Restriction Sites:

ECORI-NOT

ACCN:

NM_004809

Insert Size:

1920 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:	<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_004809.3 , NP_004800.2
RefSeq Size:	2116 bp
RefSeq ORF:	1197 bp
Locus ID:	9399
UniProt ID:	Q9UBI4
Cytogenetics:	15q24.1
Domains:	Band_7, SCP2
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>