

Product datasheet for **SC126459**

STOML3 (NM_145286) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STOML3 (NM_145286) Human Untagged Clone
Tag:	Tag Free
Symbol:	STOML3
Synonyms:	Epb7.2l; SRO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145286 edited
 GTCTTTCACTCTCTCATACTTTCTCCTCTCCCCTCTCCCAAGCACATCTGAGTTGCTGCC
 TGTTCTTCACACTTAGCTCCAAACCCATGAAAAATTGCCAAGTATAAAAGCTTCTCAAGA
 ATGAGATGGATTCTAGGGTGTCTTCACCTGAGAAGCAAGATAAAGAGAATTTCTGGGGTG
 TCAACAATAAACGGCTTGGTGTATGTGGCTGGATCCTGTTTTCCCTCTCTTTCTGTTGG
 TGATCATTACCTTCCCATCTCCATATGGATGTGCTTGAAGATCATTAAAGAGTATGAAC
 GTGCTGTTGTATTCCGTCTGGGACGCATCCAAGCTGACAAAGCCAAGGGGCCAGTTTGA
 TCCTGGTCTGCCATGCATAGATGTGTTGTCAAAGTTGACCTCCGAACAGTTACTTGCA
 ACATTCCTCCACAAGAGATCCTCACCAGAGACTCCGTAACACTCAGGTAGATGGAGTTG
 TCTATTACAGAATCTATAGTGTCTCAGCAGTGGCTAATGTCAACGATGTCCATCAAG
 CAACATTTCTGTGGCTCAAACCACTCTGAGAAATGTCTTAGGGACACAGACCTTGTCCC
 AGATCTTAGCTGGACGAGAAGAGATCGCCCATAGCATCCAGACTTTACTTGATGATGCCA
 CCGAAGCTGTTGGGGATCCGGGTGGCCCGAGTGAAATCAAAGATGTTCCGATTCCCGTGC
 AGTTGCAGAGATCCATGGCAGCCGAGGCTGAGGCCACCCGGGAAGCGAGAGCCAAGTCC
 TTGCAGCTGAAGGAGAAATGAATGCTTCAAATCCCTGAAAGTCAAGCTCCATGGTCTGG
 CTGAGTCTCCCATAGCTCTCCAGCTGCGTACCTGCAGACCTTGAGCACGGTAGCCACCG
 AGAAGAATTCTACGATTGTTTTCTCTGCCCATGAATATACTAGAGGGCATTGGTGGCG
 TCAGCTATGATAACCACAAGAAGCTTCCAAATAAAGCCTGAGGTCTCTTGCAGTGTCA
 GCTATTGCATAGAGAGTGGTGTCTATTCTATGGAGAAGCCAGTAGTTAGAAAACGGTGAG
 AATTCCAACACTGTTTCATGTAACAGTAACTCCATAGATGGAAGAGCATTGGCAGGAAAA
 GCTCTAGAGGCTATACAGAGAAGAAAAAAGAGCAAAATGAGACCTGTATTTACTTTT
 ATTTTATAGGACCAATACTAACTTTGTAATTTCTTATATAATTAATTAGTGGTGGTCTCC
 GACTTTATAGCAGGAACCTTCTGGTAGTATGAGAAGAAATCATTGGGTGACTATGACTAA
 TGTTTCAGAATTACTTTTTAATTGTTTTAAAAAGCACTCCAGATAATTTATAAGTAAACAT
 AGGCCTCATATTTACACTATATGTTTCGCTTTAATTCGAAAGTTGTTATTTGCTAAATC
 TCCAATGGTTGCAATCAAACCCACAATGCTGAAAAAGAGATTGATTTTGATGTTAAGA
 ACAAAGAAGTATGAAACTTCCAGGCTTAAACATGTCCCCCGTCCACAAGGCAAACTG
 CGATGAGCTCACAGTCCAGTCTCTTGCTGTGTCTGCAGGGAGTGGCCAACCTCTCCA
 CCTTCCAGCACCATTATCAGAGGGTGGGAAAAGGCACATGAAAGTGGCCAGCTCTGTCA
 ATTTATTTGCTTACAAGGGAGAATGCTTGAAAGGTTGCATTGGTTGAAACCACTGAGGA
 GCATCACCTGGGGATTTTCATGTTTTCACTCTGTTCTTAGTCCCAGGAGCCACAGGTAAT
 CGAGAATGTTTGTGAACTCTATCCACATCCCCTCCCCACCTGCCAAATAACCTGTTCAA
 AACAAAGAAGGCATAGAATATAAATGAATTTCAAAGTTAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_145286 unedited
 AGGGACTACCATTGTNAACGACTCTCTATAGCGGGCCGCAATTGATCTGGTACCG
 GTCCGGAATTCGGGATGTCTTTCACTCTCTCATACTTTCTCCTCTCCCCTCTCCCAAG
 CACATCTGAGTTGCTGCCTGTTCTTCACTTAGCTCCAAACCCATGAAAAATTGCCAAG
 TATAAAAGCTTCTCCAAGAATGAGATGGATTCTAGGGTGGNNCTTACCTGAGAAGCAA
 GATAAAGAAGAAATTTCTGGGGTGTCAAACAATAAAACCGGCCTTTGGTTGGTATGGT
 GGGCTGGGATCCCCGGTTTTTTCCCCCCCCCTTTTTCCCGGGTGGGGGGGAAAAA
 AATAAAAACCTTTCCCCCAAATTTTCTATAAAAGGGAAAGGGCCCCCTCGGAAAA
 AAATCTTCTCTAGGGGGGGTTTTAAAAACCCCCCCCCCGGTTTTTAATTACCC
 CCCCCCGGGGGGGGGGGGGGACCCCCCTCCCCNCTCGGTGAAGGGGNGAA
 AAAAAAACCCACCGGGGGGGGGGGGGGGCGGGCGCNGGNNNGNAAAAAATATTAT
 TATAATACCCCCCCCCCCCCCCCCCGANCCCGANGTGTCCCCCGACACCCCTCC
 CCCCCACCATATACCACACGNNNGGAGCCCCACGGAGGNGNGCCCCCNACCCCGC
 CGAGGACGTGCGGGGATTCGCGGGCGGCTTCTTACCCNCTNTTGCCTTTTCCGCCTA
 TGACTATATGCGGAGTNGGGGAGGGTGGCGGCCCGGAATCACCGCCCCCCCCACTCA

Restriction Sites: NotI-NotI

ACCN:	NM_145286
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_145286.1 , NP_660329.1
RefSeq Size:	1954 bp
RefSeq ORF:	876 bp
Locus ID:	161003
UniProt ID:	Q8TAV4
Cytogenetics:	13q13.3
Protein Families:	Transmembrane
Gene Summary:	<p>Required for the function of many mechanoreceptors. Modulate mechanotransduction channels and acid-sensing ion channels (ASIC) proteins. Potentiates PIEZO1 and PIEZO2 function by increasing their sensitivity to mechanical stimulations.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>