

Product datasheet for **SC325707**

STOML3 (NM_001144033) Human Untagged Clone

Product data:

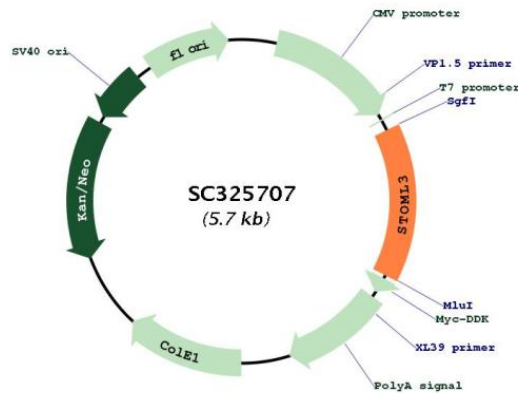
Product Type:	Expression Plasmids
Product Name:	STOML3 (NM_001144033) Human Untagged Clone
Tag:	Tag Free
Symbol:	STOML3
Synonyms:	Epb7.2l; SRO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325707 representing NM_001144033. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGAACTCCAGAGGCGAGCTTGTAGGTGTCAACAATAAACGGCTTGGTGTATGTGGCTGGATCCTGTTT
TCCCTCTTTTCTGTTGGTGATCATTACCTTCCCCTATCCATATGGATGTGCTTGAAGATCATTAAG
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AAGCTTCCAAATAAAGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001144033

Insert Size: 849 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001144033.1](#)

RefSeq Size: 2020 bp

RefSeq ORF: 849 bp

Locus ID: 161003

UniProt ID: [Q8TAV4](#)

Cytogenetics: 13q13.3

Protein Families: Transmembrane

MW: 31 kDa

Gene Summary: 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]
Transcript Variant: This variant (2) contains an additional in-frame coding exon compared to transcript variant 1. This results in translation initiation from a downstream AUG found in this novel exon, and a shorter isoform (2) with a distinct N-terminus compared to isoform 1.