

Product datasheet for **SC334119**

STOM (NM_001270527) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STOM (NM_001270527) Human Untagged Clone
Tag:	Tag Free
Symbol:	STOM
Synonyms:	BND7; EPB7; EPB72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334119 representing NM_001270527. Blue=Insert sequence Red=Cloning site Green=Tag(s)

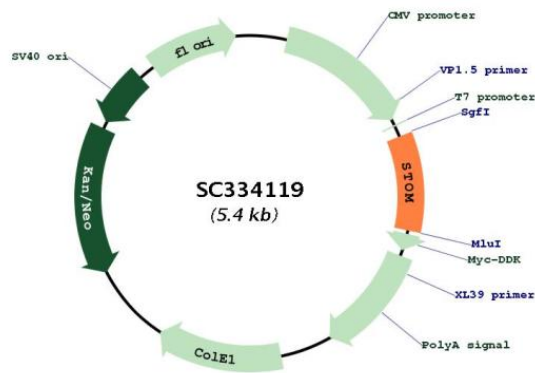
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCGAGAAGCGGCACACCGGACTCCGAAGCCAGCGGCTCCCGACTCCTCAAGGACAGCCCC
AGTAAGGGCCTTGGACCTTGGGATGGATTTTGGTGGCGTTCTCATTCTTATTCACCGTTATAACTTTC
CCAATCTCAATATGGATGTGCATAAAGATTATAAAGAGATGAAAGAGCCATCATCTTTAGATTGGGT
CGCATTTTACAAGGAGGCCAAAGGACCTGGTTTGTGTTTTTATTCTGCCATGCACTGACAGCTTCATC
AAAGTGGACATGAGAATTTTCATTTGATATTCCTCCTCAGGAGATCCTCACAAAGGATTCAGTGACA
ATTAGCGTGGATGGTGTGGTCTATTACCGGTTGAGAATGCAACCCTGGCTGTGGCAAATACACCAAC
GCTGACTCAGCAACCCGCTTTTGGCACAACTACTCTGAGGAATGTTCTGGGCACCAAGAATCTTCTC
CAGATTTCTCTTTGAGACTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001270527

Insert Size: 507 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: 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_001270527.1](#)

RefSeq Size: 1257 bp

RefSeq ORF: 507 bp

Locus ID: 2040

Cytogenetics: 9q33.2

Protein Families: Transmembrane

MW: 18.7 kDa

Gene Summary: This gene encodes a member of a highly conserved family of integral membrane proteins. The encoded protein localizes to the cell membrane of red blood cells and other cell types, where it may regulate ion channels and transporters. Loss of localization of the encoded protein is associated with hereditary stomatocytosis, a form of hemolytic anemia. There is a pseudogene for this gene on chromosome 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (4) has multiple differences, compared to variant 1. These differences include use of alternate splice sites and lack of a 3' coding exon, which result in a frameshift. The encoded isoform (d) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.