

## Product datasheet for **SC321738**

### Scramblase 1 (PLSCR1) (NM\_021105) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scramblase 1 (PLSCR1) (NM_021105) Human Untagged Clone
Tag:	Tag Free
Symbol:	Scramblase 1
Synonyms:	MMTRA1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_021105.1  
 CCACGCGTCCGGTTGCGCAGCAGCTGTGCCCGGCAGTCTAGAGGCGCAGAAGAGGAAGCC  
 ATCGCCTGGCCCCGGCTCTCTGGACCTTGTCTCGCTCGGGAGCGGAAACAGCGGCAGCCA  
 GAGAACTGTTTTAATCATGGACAAAACAAAACACTCACAGATGAATGCTTCTCACCCGAAAC  
 AAATTGCCAGTTGGGTATCCTCCTCAGTATCCACCGACAGCATTCCAAGGACCTCCAGG  
 ATATAGTGGCTACCCTGGGCCCCAGTCCAGTACCCACCCACCAGCCGGCCATTCCAGG  
 TCCTGGCCAGCTGGCTTTCCTGTCCAAATCAGCCAGTGTATAATCAGCCAGTATATA  
 TCAGCCAGTTGGAGCTGCAGGGTACCATGGATGCCAGCGCCACAGCCTCCATTAACACTG  
 TCCACCTGGATTAGAATATTTAAGTCAGATAGATCAGATACTGATTTCATCAGCAAATTGA  
 ACTTCTGGAAGTTTTAACAGTTTTGAACTAATAACAAATATGAAATTAAGAACAGCTT  
 TGGACAGAGGGTTACTTTGCAGCGGAAGATACTGATTGCTGTACCCGAAATTGCTGTGG  
 GCCATCTAGACCTTTACCTTGAGGATTATTGATAATATGGGTCAAGAAGTCATAACTCT  
 GGAGAGACCACTAAGATGTAGCAGCTGTTGTTGCCCTGCTGCCTTCAGGAGATAGAAAT  
 CCAAGCTCCTCCTGGTGTACCAATAGGTTATGTTATTCAGACTTGGCACCCATGTCTACC  
 AAAGTTTACAATTCAAAATGAGAAAAGAGAGGATGTAATAAAATAAGTGGTCCATGTGT  
 TGTGTGACAGCTGTTGTGGAGATGTTGATTTTGTGATTAATCTCTTGATGAACAGTGTGT  
 GGTGGCAAAATTTCAAGCACTGGACTGGAATTTTGTGAGAGAGGCATTTACAGACGCTGA  
 TAACCTTTGGAATCCAGTTCCTTTAGACCTTGATGTTAAATGAAAGCTGTAATGATTGG  
 TGCCTGTTTCTCATTGACTTTCATGTTTTTTGAAAGCACTGGCAGCCAGGAACAAAAATC  
 AGGAGTGTGGTAGTGGATTAGTGAAGTCTCCTCAGGAAATCTGAAGTCTGTATATTGAT  
 TGAGACTATCTAACTCATACTGTATGAATTAAGCTGTAAGGCTGTAGCTCTGGTTGT  
 ATACTTTTGTCTTTCAAATTATAGTTTATCTTCTGTATAACTGATTTATAAAGTTTTTTG  
 TACATTTTTTAATACTCATTGTCAATTTGAGAAAAGGACATATGAGTTTTTGCATTTAT  
 TAATGAAACTTCCTTTGAAAACTGCTTTGAATTATGATCTCTGATTCATTGTCCATTTT  
 ACTACCAATATTAATAAGGCCTTATTAATTTTTATATAAATTATCTTGTCCATTATA  
 AATCTAGTTACAATTTATTTTCATGCATAAGAGCTAATGTTATTTTGCAAATGCCATATAT  
 TCAAAAAAGCTCAAAGATAATTTTCTTTACTATTATGTTCAAATAATATTCAATATGCAT  
 ATTATCTTTAAAAAGTTAAATGTTTTTTAATCTTCAAGAAATCATGCTACACTTAACTT  
 CTCCTAGAAGCTAATCTATACCATAATTTTTTCATATTCACAAGATTAATAATTACCAAT  
 TTTCAAATATTGTTAGTAAAGAACAAAATGATTCCTCCCAAAGAAAGACATTTTAA  
 ATACTCCTCACTCTAAACTCTGGTATTATAACTTTTGAAGTTAATATTTCTACATGA  
 AATGTTTAGCTCTTACACTCTATCCTTCTAGAAAATGGTAATTGAGATTACTCAGATAT  
 TAATTAATAACAATATCATATATATATTACAGAGTATAAACCTAAATAATGATCTATTA  
 GATTCAAATATTTGAAATAAAACTTGATTTTTTTGTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_021105

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_021105.1</a> , <a href="#">NP_066928.1</a>
<b>RefSeq Size:</b>	2077 bp
<b>RefSeq ORF:</b>	957 bp
<b>Locus ID:</b>	5359
<b>UniProt ID:</b>	<a href="#">O15162</a>
<b>Cytogenetics:</b>	3q24
<b>Domains:</b>	Scramblase
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Gene Summary:</b>	May mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions that results in a loss of phospholipid asymmetry in the plasma membrane. May play a central role in the initiation of fibrin clot formation, in the activation of mast cells and in the recognition of apoptotic and injured cells by the reticuloendothelial system.[UniProtKB/Swiss-Prot Function]