

Product datasheet for **SC106154**

Scramblase 1 (PLSCR1) (BC017901) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scramblase 1 (PLSCR1) (BC017901) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLSCR1
Synonyms:	MMTRA1B; phospholipid scramblase 1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC017901, the custom clone sequence may differ by one or more nucleotides

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ATGGACAAACAAAACCTCACAGATGAATGCTTCTCACCCGGAAACAAAACCTGCCAGTTGGGTATCCTCCTC
AGTATCCACCGACAGCATTCCAAGGACCTCCAGGATATAGTGGCTACCCTGGGCCCCAGGTCAGCTACCC
ACCCCCACCAGCCGCCATTTCAGGTCCTGGCCAGCTGGCTTTCCTGTCCAAATCAGCCAGTGTATAAT
CAGCCAGTATATAATCAGCCAGTTGGAGCTGCAGGGTACCATGGATGCCAGCGCCACAGCCTCCATTAA
ACTGTCCACCTGGATTAGAATATTTAAGTCAGGTAATTTCAAAGACACAAAATACTCATAAAAAACAGAA
CTGTGCTTCCAGCTTGCTTAACCAGATTAGCAAATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC017901 unedited GTCATCATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCAGGAGCGCAGCAGCT GTGCCCCGCAGCTAGAGGCGCAGAAGAGGAAGCCATCGCCTGGCCCCGGCTCTCTGGAC CTTGTCTCGCTCGGGAGCGGAAACAGCGGCAGCCAGAGAAGTGTTTAATCATGGACAAA CAAACTCACAGATGAATGCTTCTACCCGAAACAACTTGCCAGTTGGGTATCCTCT CAGTATCCACCGACAGCATTCCAAGGACCTCCAGGATATAGTGGCTACCCTGGGCCCCAG GTCAGCTACCCACCCACCAGCCGGCCATTCCAGGTCTGGCCAGCTGGCTTTCTGTGTC CCAAATCAGCCAGTGTATAATCAGCCAGTATATAATCAGCCAGTTGGAGCTGCAGGGGTA CCATGGATGCCAGCGCCACAGCCTCCATTAAGTGTCCACCTGGATTAGAATATTTAAGT CAGATAGATCAGATACTGATTCATCAGCAAATTGAACTTCTGGAAGTTTTAACAGTTTTT GAAACTAATAACAAATATGAAATTAAGAACAGCTTTGGACAGAGGGTTTACTTTGCAGCG GAAGATACTGATTGCTGTACCCGAAATTGCTGTGGCCATCTAGACCTTTTACCTTGAGG ATTATTGATAATATGGGTCAAGAAGTCATAACTCTGGAGAGACCACTAAGATGTAGCAGC TGTTGTTGTCCTGCTGCCTTCNAGAGGTCTGTGATCAATTACCAGAGCACTNTGTA TAGTTCAGCAAGAATTTCTGCCCTGTCATTGAACCTTTTCATCGAACCTAGGCATTATGAT TATTACATTTACATATATTANTTTGCCCTTGTAGATAGAAATCCAGCTCCNCTGNGTGT ACCATAGNTATGTTATTCAGACTTGGCACCATGTCTACCAAGNTTACATNANATGA
Restriction Sites:	NotI-NotI
ACCN:	BC017901
Insert Size:	2100 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:	BC017901.1 , AAH17901.1
RefSeq Size:	1143 bp
RefSeq ORF:	1143 bp
Locus ID:	5359
Cytogenetics:	3q24
Protein Families:	Druggable Genome, Stem cell - Pluripotency

Gene Summary:

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]