

Product datasheet for **SC107135**

Solo (SESTD1) (NM_178123) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Solo (SESTD1) (NM_178123) Human Untagged Clone
Tag:	Tag Free
Symbol:	SESTD1
Synonyms:	SOLO
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_178123, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCTCAGTAATATTACCCATTCTGAAGAAAACTAGCCTTCCTTTTCAGGAGGAAAAGACAGAC
GGAGTGGCCTCATTTTGACAATTCATTATGCCTCGAACAGACAAATATGGATGAGCTGAGTGTCACCTT
AGACTACCTACTCAGCATTCCAAGTGAGAAGTGAAGGCTAGAGGATTTACCGTATTGTGGATGGCAGA
AAATCACAGTGGAAATGGTGAAGAACAGTAGTCGTAATGCTACAGAATGTTGTTCCAGCTGAGGTGCC
TTGTTTGTGGTAAAGCCAGATGAATTCTGGGATAAGAAAGTAACGCATTTTTGTTTTGGAAGGAGAA
GGATAGACTTGGCTTTGAGGTTATTTAGTGTCCGCCAACAAATTGACTCGTTATATAGAACCATGCCAA
TTAACAGAAGATTTTGGTGGGAGTCTCACCTATGATCACATGGACTGGTTAAATAAGAGGCTGGTTTTG
AGAAGTTTACAAAGGAATCTACATCATTATTAGATGAACCTGCTTTGATTAACAATGGAAGTGATAAAGG
AAATCAGCAAGAGAAAAGAAAGTCTGTGGATTTAACTTTCTCCATCGTTGATCCTGAAACAGTTCCT
CAGACAGGCATGAATTGTTGTCGAATTACAGCAGCGTCGATTAATGGCTCAGACGGAGGGTTTCAT
GGTCTCCTATGGATGATGAACCTTCTGCACAGCCACAGGTTATGAAATTATTAGATTCACCTCCGAGAGCA
ATATACCCGCTACCAGGAAGTTTGTAGGCAACGTAGCAAGCGCACACAGTTAGAAGAGATTCAACAGAAG
GTAATGCAGGTGGTGAACCTGGCTAGAAGGGCTGGATCAGAACAATAAGAGCCCAGTGGGGCATTGGAG
ACTCCATTAGGGCCTCCCAGGCCCTACAGCAGAAAACGAAGAGATTGAGAGCCAGCACAGTGAATGGTT
TGCAGTGTATGTGGAACCTAATCAGCAAATTCAGCACTCTTGAATGCTGGCGATGAGGAAGATCTGTG
GAACTAAAGTCACTGCAGCAACAACCTAGTGATGTTTTGTTATCGACAGGCCAGTCAGCTGGAATTTAGGC
AAAATCTCTTACAAGCAGCTCTTGAATTCATGGTGTGCCCCAAGATTTGCTCAGCAGTTGGATGGCTT
ATTAGGGATGTTGTCGTAGATGTAGCACCAGCTGATGGAGCATCGATTACAGCAAATTTAAAACCTGCTT
GAAGAGAAGCTGAAAAGTGTGATGTGGGATTGCAAGGTTGCGTGAAAAAGGTCAGGCTCCTCGATC
AGATCTCCAATCAGGCATCTGGGCTATGGAAAGGATGTAACCAATTGAAAATAAAGAAAATGTGGACCA
CATACAAGGAGTGATGGAAGATATGCAGCTTAGAAAACAAGATGGAAGACATGGTAGATGTGCGAAGG
TTAAAGATGCTTCAGATGGTGCAGTTGTTAAATGTGAAGAAGATGCTGCCAGGCAGTAGAATGGCTAA
GTGAACCTCTGGATGCTCTGCTTAAAGACTCACATCAGATTGGGCGATGATGCTCAAGAAACGAAAGTTT
GCTGAAAAGCATAGAAAATTTGTTGATGTTGCACAGAGCACTTATGACTATGGCAGGCAGTTGCTACAG
GCCACAGTTGTGTTATGCCAATCTTTCGCTGCACCTCTCGGTCATCTGGGGATACACTTCTCGACTGA
ACAGAGTATGAAAACAATTTACAATAGCATCTGAAGAGAGAGTACATAGATTGGAATGGCTATTGCATT
TCACTCAAATGCTGAAAAGATTTTGCAGGACTGCCAGAAGAGCCTGAAGCTATTAATGATGAGGAGCAA
TTTGATGAAATGAAGCAGTTGGGAAATCACTTTTGGATAGATTAAGTGTCCAGTAGTTTATCCTGATG
GAACCGAACAATATTTTGGGAGTCCAAGTGACATGGCTTCTACTGCAGAAAACATCAGAGACAGGATGAA
ACTAGTTAATCTCAAAGGCAGCAGCTGAGACATCCTGAAATGGTGACCACAGAGAGCTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_178123 unedited

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GCCGCGAATTCGGCAGGAGTCCAGCCAGCCAGAATTAAGGAAGTTCAGTGGAGTAAAA
TGGAGGCTCAGTAATATTACCCATTCTGAAGAAAAAACTAGCCTTCCTTTTCAGGAGGAA
AGGACAGACGGAGTGGCCTCATTTTGACAATTCATTATGCCTCGAACAGACAAATATGG
ATGAGCTGAGTGTACCTTAAACTACCTACTCAGCATTCCAAGTGAGAAGTGAAGGCTA
GAGGATTTACCGTATTGTGGATGGCAGAAAATCACAGTGAATGTGGTGAAGACAGTAG
TCGTAATGCTACAGAATGTTGTTCCAGCTGAGGTGTCCCTTGTGTTGTGGTAAAGCCAG
ATGAATCTGGGATAAGAAAGTAACGCATTTTTGTTTTTGGAAAGGAGAAGGATAGACTTG
GCTTTGAGGGTATTTAGTGTCCGCCAACAAATTGACTCGTTATATAGAACCATGCCAAT
TAACAGAAGATTTTGGTGGGAGTCTCACCTATGATCACATGGACTGGTTAAATAAGAGGC
TGGTTTTTGAAGTTTACAAGGAATCTACATCATTATTAGATGAACCTGCTTTGATTA
ACAATGGAAGTGATAAAGGAAATCAGNCAGAGAAAAGAAAGGGCTGTGGATTTAACTTTC
TTCCATCGNGTTGATCCTGAAACAGTTCTCAAACAGGGCATGAANTNGGTGTCGAAT
ACAGCAGCGTCGATTTATGGCTCAGA
    
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Restriction Sites: NotI-NotI

ACCN:	NM_178123
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_178123.3 , NP_835224.2
RefSeq Size:	3234 bp
RefSeq ORF:	2091 bp
Locus ID:	91404
UniProt ID:	Q86VW0
Cytogenetics:	2q31.2
Protein Families:	Druggable Genome
Gene Summary:	May act as the primary docking protein directing membrane turnover and assembly of the transient receptor potential channels TRPC4 and TRPC5. Binds phospholipids such as phosphatidylinositol monophosphates, phosphatidylinositol diphosphates (PIP2s) and phosphatidic acid, but not less polar lipids including phosphatidylcholine, phosphatidylserine, and phosphatidylinositol. The binding to PIP2s is calcium dependent. Might be involved in the plasma membrane localization of CTNNB1.[UniProtKB/Swiss-Prot Function]