

Product datasheet for **SC123073**

SYDE1 (NM_033025) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYDE1 (NM_033025) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYDE1
Synonyms:	7h3; SYD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_033025 edited
ATGGCCGAGCCGCTACTCAGGAAAACCTTCTCCCGCTGCGGGGCCGGGAGAACTTCCC
CGGAAAAAGTCGGACGCCAAGGAGCGCGGGCTGGGGTACCTGGCACTGGGGAGCCCGCC
GGCGAGATCTGGTACAACCCATCCCTGAGGAAGACCCAGACCTCCAGCACCTGAGCCC
CCGGGGCCACAGCCTGGCTCAGTGTAGTGTAGAGGGCTGGCCCCAAGTGCAGCCCC
GCCAGCCCCCAACCAAAGCCTCCCGCACCAAGTCCCGGGCCCCGCCAGGCGCCTCTCC
ATAAAGATGAAGAAGCTGCCGAACTGCGGCGCCGCTGAGCCTGCGAGGCCCCCGGGCT
GGCAGGGAGCGGAGAGGGTCCCTGCGGGCTCCGTATCAGCCGCTACCACCTGGAC
AGCAGCGTGGGGGCCCGGGCCGCGAGAGGGCTGGGGCACCCGGAGCCCGAGGGCC
GGTTACCTCAGCGACGGGACTCACCGAGCGCCAGCTGGGCCCCATCACCCACTCC
TTCCGGCCCTACGAGTGGTCCCGCAGCCGGGCACCCCGGCCGCACTCTGGGGCCG
CTCAGCCTGCACCTGTACGGTCTCGGGGGCTGCGGCCAGCGCCGGGGCCACCCCAAG
GACCTCTGCTGCCTACTGCAAGTGGATGGGGAGGCCAGGGCCGAACAGGGCCACTGCGA
GGGGGGCCGACTTCTCGGCTGGACCACACCTTCCACCTGGAGCTGGAGGCCGCCAGG
CTCCTGCGCGCCTGGTGTTCGTGGGACCCTGGCGTGAGAAGGCACCGGCCCTGTGCC
CAGGGCACCGTGTGCTGCCACGGTCTCCGAGGGTGCCAGGCCAACAGCTGGCCGTG
CGCCTGGAGCCTCAGGGGCTGCTGTATGCCAAGCTGACCTGTGCGAGCAGCAGGAAGCC
CCTGCCACAGCTGAGCCCCGCTTTGGGCTGCCCTGCCACTGCTGGTGGAGCGGGAG
CGGCCCCCGGCCAGGTGCCCTCATCATCCAGAAGTGCCTGGGAGATCGAGCGCCGA
GGGCTGCGGGTAGTGGGACTGTACCGTCTTTGGGCTCAGCGGCAGTGAAGAAAGAGCTT
CGGGATGCCTTTGAGCGGGACAGTGCAGCGGTCTGCCTATCTGAGGACCTGTACCCGAT
ATCAATGTCATCACTGGCATCTCAAGGATTATCTTCGAGAGTTGCCACCCCACTCATC
ACCCAGCCCCTGTATAAGGTGGTACTGGAGGCCATGGCCCGGGACCCCAACAGAGTT
CCCCCACCCTGAGGGCACCCGAGGGCTCCTCAGCTGCCTGCCAGATGTGGAAAGGGCC
ACGCTGACGCTTCTCCTGGACCCTGCGCCTCGTCTCCTCCTCCATGCCTACAACCGC
ATGACCCACAGAACTTGGCCGTGTGCTTCGGGCTGTGCTGCTGCCGGCACGCCAGGG
CCCACAAGGCCTCGTGCCCGCAGCTCCGGCCAGGCCTTGCCAGTGCAGTGGACTTCAAG
CACCACATCGAGGTGCTGCACTACCTGTGCACTTTGGCCAGATCCCCGCTGCCCGA
CAATCTCCAGATGTCGCGCCTTACTTGCACCCAAACGACAGCCACCTCTGCACCTGCC
CTGGCAGACCCCAAGTGGTACTCGGCCCGCGGTGAGGAGGCCCGAAAGCCCCCGG
AGCAACCCTACGCCGGGACTGGAGCGTTTGGGGCGGGACTTCTGCCCTGTGGGCGG
GATTTCTGTCCGGCCAGACTACGACCAGTGCAGGGCAGTGCAGCGAGGACGAGGAC
GAGGAGTTCGGCGAGCCAGGGTACCGGTGACTTCAAGACGACTTCGATGCGCCCTTC
AACCCGCACCTGAATCTCAAAGACTTCGACGCCCTCATCTGGATCTGGAGAGAGAGCTC
TCCAAGCAAATCAACGTGTGCCTCTGA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033025 unedited TTTTCCTTTGTATACGACTTCTATAGGGCGGCCGCGATTCCCAGGNTATCGTCGACCCAC GCGTCCGCCGGGGCCGAGCATGGCCGAGCCGCTACTCAGGAAAACCTTCTCCCGCCTGCG GGGCCGGGAGAACTTCCCCGAAAAAGTCGGACGCCAAGGAGCGGGGCTGGGGTACC TGGCACTGGGGAGCCCGCCGCGAGATCTGGTACAACCCCATCCCTGAGGAAGACCCAG ACCTCCAGCACCTGAGCCCCGGGGCCACAGCCTGGCTCAGCTGAGTCAGAGGGCCTGGC CCCCAAGGTGCAGCCCCCGCCAGCCCCCAACCAAGCCTCCCGCACCAAGTCCCCGGG CCCCGCCAGGCGCTCTCCATAAAGATGAAGAAGCTGCCGGAAGTGGCGCCGCGCTGAG CCTGCGAGGCCCCCGGGCTGGCAGGGAGCGGAGAGGGCTGCCCTGCGGGCTCCGTCAT CAGCCGCTACCACCTGGACAGCAGCGTGGGGGGCCCCGGGCCGCGAGCATGGCCTGGGGG CACCCGGAGCCCGAGGGCCGGTTACCTCAGCGACGGGGACTCACCGGAGCGCCAGCTGG GCCCCATCACCCACCTCCTTCCGGCCCTACGAGGTGGTCCCGCAGCCCGGGCACCCCC GGCCGACTCTGGGGCCGCTCAGCCTGCACCTGTACGGTCTCGGGGGCTGCGGCCAGC GCCGGGGCCACCCAGGGACCTCTGCTGCTACTGCAAGTGGATGGGGATGCCAGGGC CCGAACAGGGCCACTGCGAGNGGGCCGACTTCTGCGGCTGGGACACACCTTNCACCT GGAGCTGGAGGCCCGCAGGCTCCTGCGGCCCTGGTGCTTGCCTGGGACCCTGGCGTGAG AAGGCACCGNCTGTGCCNAGGGGCACGTGCTGCTGCCNACGGCT
Restriction Sites:	Please inquire
ACCN:	NM_033025
Insert Size:	3058 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_033025.3 , NP_149014.2
RefSeq Size:	3058 bp

RefSeq ORF: 2007 bp

Locus ID: 85360

UniProt ID: [Q6ZW31](#)

Cytogenetics: 19p13.12

Gene Summary: The protein encoded by this gene is a Rho GTPase-activating protein highly expressed in placenta. The encoded protein is involved in cytoskeletal remodeling and trophoblast cell migration. Decreased expression of this gene has been associated with intrauterine growth restriction (IUGR). [provided by RefSeq, Feb 2017]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).