

Product datasheet for **SC318216**

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
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_033025, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGAGCCGCTACTCAGGAAAACCTTCTCCCGCTGCGGGGCCGGGAGAACTTCCC
CGGAAAAAGTCGGACGCCAAGGAGCGCGGCCACCCAGCCAGCGCCAGAGCCCAGCCCT
CCAGAGCCAGAGCCCCAGGCTCCCGAAGGGTCCAGGCCGGAGCAGAGGGGCCCTCCAGC
CCCGAGGCATCAAGGAGCCCTGCACGGGGAGCCTACCTGCAAAGCCTGGAGCCCAGTAGC
CGCCGATGGGTGCTGGGTGGGGCAAGCCAGCTGAGGACACCTCTTAGGGCTGGGGTA
CCTGGCACTGGGAGCCCGCCGGCGAGATCTGGTACAACCCCATCCCTGAGGAAGACCCC
AGACCTCCAGCACCTGAGCCCCGGGGCCACAGCCTGGCTCAGCTGAGTCAGAGGCCTG
GCCCCCAAGGTGCAGCCCCGCGAGCCCCCAACCAAAGCCTCCCGCACCAAGTCCCCG
GGCCCCGCCAGGCGCTCTCCATAAAGATGAAGAAGCTGCCGAACTGCGGCGCCGCTG
AGCCTGCGAGGCCCGGGCTGGCAGGGAGCGGAGAGGGCTGCCCTGCGGGCTCCGTC
ATCAGCCGCTACCACCTGGACAGCAGCTGGGGGGCCCCGGGCCGCGCAGGAGGCTGGG
GGCACCCGGAGCCCGAGGCGCGTTACCTCAGCGACGGGGACTCACCGAGCGCCAGCT
GGGCCCCATCACCCACCTCCTTCGGGCCCTACGAGGTGGTCCCGCAGCCCGGGCACCC
CCGGCCGCACTCTGGGGCCGCTCAGCCTGCACCTGTACGGTCTCGGGGGCTGCGGCCA
GCGCCGGGGGCCACCCCAAGGACCTCTGCTGCCTACTGCAAGTGGATGGGGAGGCCAGG
GCCCGAACAGGGCCACTGCGAGGGGGGCGGACTTCTGCGGCTGGACCACACTTCCAC
CTGGAGCTGGAGGCCGCCAGGCTCCTGCGCGCCCTGGTGTGCTGGGACCCTGGCGTG
AGAAGGCACCGGCCCTGTGCCAGGGCACCGTGTCTGCCACGGTCTTCCGAGGGTGC
CAGGCCAACAGCTGGCCGTGCGCCTGGAGCCTCAGGGGCTGTGTATGCCAAGCTGACC
CTGTGAGCAGCAGGAAGCCCCGCCACAGCTGAGCCCCGCGTCTTTGGGCTGCCCTG
CCTGCTGGTGGAGCGGGAGCGGCCCGGCCAGGTGCCCTCATCATCCAGAAGTGC
GTTGGCAGATCGAGCGCCGAGGGCTGCGGGTAGTGGGACTGTACCGTCTTTGTGGCTCA
GCGGCAGTGAAGAAAGAGCTTCGGGATGCCTTTGAGCGGGACAGTGCAGCGGTCTGCCTA
TCTGAGGACCTGTACCCGATATCAATGTCACTACTGGCATCCTCAAGGATTATCTTCGA
GAGTTGCCACCCCACTCATACCCAACCCCTGTATAAGGTGGTACTGGAGGCCATGGCC
CGGGACCCCCAAACAGAGTTCCCCCACCCTGAGGGCACCCGAGGGCTCCTCAGCTGC
CTGCCAGATGTGAAAGGGCCACGCTGACGTTCTCCTGGACCACCTGCGCCTCGTCTCC
TCCTTCCATGCCTACAACCGCATGACCCACAGAAGTGGCCGTGTGCTTCGGCCCTGTG
CTGCTGCCGGCAGCCAGGCGCCACAAGGCCTCGTGCCCGCAGCTCCGGCCAGGCCTT
GCCAGTGCAGTGGACTTCAAGCACACATCGAGGTGCTGCACTACCTGCTGCACTTGG
CCAGATCCCCGCCTGCCCGACAATCTCCAGATGTCGCGCCTTACTTGGACCCAAACGA
CAGCCACCTCTGCACCTGCCGCTGGCAGACCCGAAGTGGTACTCGGCCCGCGGTGCA
GGAGGCCCGAAAGCCCCCGAGCAACCGCTACGCCGGCGACTGGAGCGTTTGGGGCGG
GACTTCTGCCTGTGGGCGGGATTTCTGTCCGGGCCAGACTACGACCAGTGCAGGGC
AGTGACAGCGAGGACGAGGAGGAGGTCGGCGAGCCGAGGGTACCCGGTACTTCGAA
GACGACTTCGATGCGCCCTTCAACCCGACCTGAATCTCAAAGACTTCGACGCCCTCATC
CTGGATCTGGAGAGAGGCTCTCAAGCAAATCAACGTGTGCTC

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Restriction Sites: Please inquire

ACCN: NM_033025

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	<p>NM_033025.4, NP_149014.3</p>
RefSeq Size:	<p>3254 bp</p>
RefSeq ORF:	<p>2208 bp</p>
Locus ID:	<p>85360</p>
UniProt ID:	<p>Q6ZW31</p>
Cytogenetics:	<p>19p13.12</p>
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>