

Product datasheet for **RC239273**

SYDE1 (NM_001300910) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYDE1 (NM_001300910) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SYDE1
Synonyms:	7h3; SYD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239273 representing NM_001300910
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCCGAGCCGCTACTCAGGAAAACCTTCTCCCGCTGCGGGCCGGGAGAACTTCCCGGAAAAAGT
 CGGACGCCAAGGAGCGCGGCCCTGGGTACCTGGCACTGGGGAGCCCGCGCGAGATCTGGTACAACCC
 CATCCCTGAGGAAGACCCAGACCTCCAGCACCTGAGCCCCGGGGCCACAGCCTGGCTCAGCTGAGTCA
 GAGGGCTGCCCCCAAGGTGCAGCCCCGCCAGCCCCCAACCAAAGCCTCCCGCACCAAGTCCCCGG
 GCCCCGCCAGGCGCTCTCCATAAAGTGAAGAAGCTGCCGAACTGCGGCGCCGCTGAGCCTGCGAGG
 CCCCCGGGCTGGCAGGGAGCGGAGAGGGCTGCCCTGCGGGCTCCGTATCAGCCGCTACCACTGGAC
 AGCAGCGTGGGGGGCCCCGGGCCGAGCAGGGCTGGGGGACCCGAGCCGAGGGCCGGTTACCTCA
 GCGACGGGACTACCGGAGCGCCAGTGGGCCCCATACCCACCTCCTTCGGCCCTACGAGGTGGG
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 CTGCGGCCAGCGCCGGGGCCACCCCGAGGACCTCTGCTGCCTACTGCAAGTGATGGGGAGGCCAGGG
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 GGCCGCCAGGCTCCTGCGCGCCCTGGTGTCTGCGTGGGACCCTGGCGTGAGAAGGCACCGGCCCTGTGCC
 CAGGGCACCGTGTCTGCCACGGTCTTCGAGGGTGCCAGGCCAACAGCTGGCCGTGCGCCTGGAGC
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 CGTCTTTGGGTGCCCTGCCACTGTGGTGGAGCGGGAGCGCCCCCGGCCAGGTGCCCTCATCATC
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 CTACGACCACGTGACGGCAGTGACAGCGAGGACGAGGAGGTCGGCGAGCCGAGGGTACCCGGT
 GACTTCGAAGACGACTTCGATGCGCCCTTCAACCCGCACTGAATCTCAAAGACTTCGACGCCCTCATCC
 TGGATCTGGAGAGAGAGCTCTCAAGCAAATCAACGTGTGCCTC

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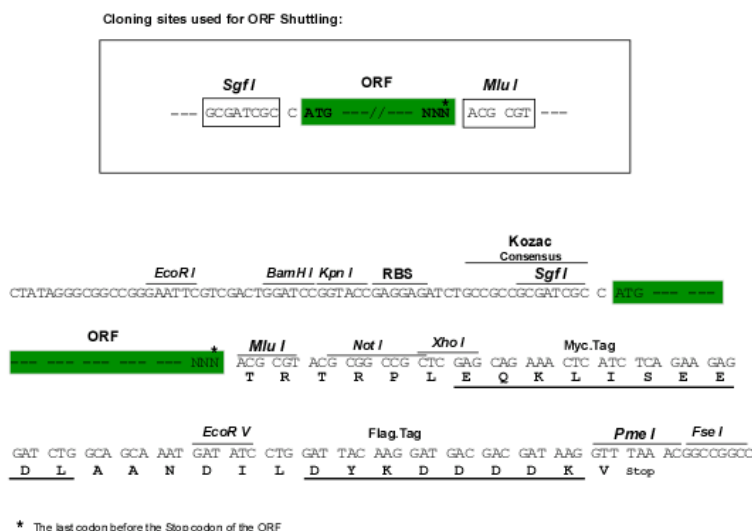
Protein Sequence: >RC239273 representing NM_001300910
 Red=Cloning site Green=Tags(s)

MAEPLLRKTF SRLRGREKLPRKKSDAKERGPGVPGTGEPAGEIWYNPIPEEDPRPPAPEPPGPQPSAES
EGLAPQGAAPASPTTKASRTKSPGARRLSIKMKKLPRLRRRLSLRGPAGRERERAAPAGSVISRYHLD
SSVGGPGPAAGPGGTRSPRAGYLSGDGSPERPAGPPSPTSFRPYEVGPAARAPPAALWGRLSLHLYGLGG
LRPAGATPRDLCCLLQVDGEARTGPLRGGPDFRLDHTFHLELEAARLLRALVLAWDPGVRHRPCA
QGTVLLPTVFRGCQAQQLAVRLEPQGLLYAKLTLSEQQEAPATAEPRVFLPLPLLVERERPPQVPLII
QKCVGQIERRGLRVVGLYRLCGSAAVKKELRDAFERDSAIVCLSEDLYPDINVITGILKDYRELPTPLI
TQPLYKVVLEAMARDPPNRPVPTTEGTRGLLSCLPDVERATLTLLLDHLRLVSSFHAYNRMTPQNLAFC
GPVLLPARQAPTRPRARSSGPGLASAVDFKHIEVLHYLLQSWDPRLPRQSPDVAPYLRPKRQPLHLPL
LADPEVVTRPRGRGGPESPSPNRYAGDWSVCGRDFLPCGRDFLSGPDYDHTGSDSEDEDEEVGEPRTVG
DFEDDFDAPFNPHNLKDFDALILDLERELKQINVCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001300910

ORF Size: 2004 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001300910.2](#)

RefSeq Size: 3118 bp

RefSeq ORF: 2007 bp

Locus ID: 85360

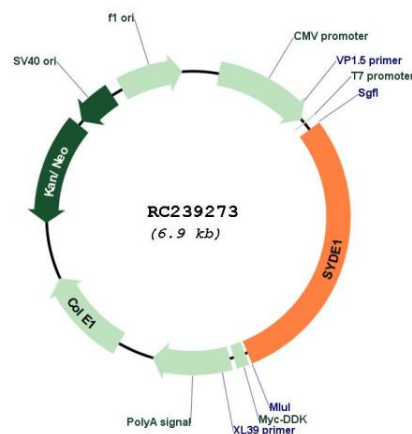
UniProt ID: [Q6ZW31](#)

Cytogenetics: 19p13.12

MW: 73.4 kDa

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]

Product images:



Circular map for RC239273