

Product datasheet for **RC223321**

SYDE1 (NM_033025) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RC223321 representing NM_033025
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGAGCCGCTACTCAGGAAAACCTTCTCCCGCTGCGGGGCCGGGAGAACTTCCCCGAAAAAGT
 CGGACGCCAAGGAGCGCGGCCACCCAGCCAGCGCCAGAGCCAGCCCTCCAGAGCCAGAGCCCCAGGC
 TCCCGAAGGGTCCAGGCCGGAGCAGAGGGGCCCTCCAGCCCCAGGCATCAAGGAGCCCTGCACGGGGA
 GCCTACCTGCAAGCCTGGAGCCAGTAGCCGCCGATGGGTGCTGGGTGGGGCCAAGCCAGCTGAGGACA
 CCTCTTTAGGGCTGGGTACCTGGCACTGGGAGCCCGCCGGCGAGATCTGGTACAACCCCATCCCTGA
 GGAAGACCCAGAGCTCCAGCACCTGAGCCCCGGGGCCACAGCCTGGCTCAGCTGAGTCAGAGGGCCTG
 GCCCCCAAGGTGCAGCCCCGCCAGCCCCCAACCAAGCCTCCCGCACCAAGTCCCCGGGCCCCGCCA
 GGCGCCTCTCCATAAGATGAAGAAGCTGCCGGAAGTGGCGGCCGCTGAGCCTGCGAGGCCCCGGGC
 TGGCAGGGAGCGCAGAGGGCTGCCCTGCGGGCTCCGTATCAGCCGCTACCACCTGGACAGCAGCGTG
 GGGGGCCCCGGGCCGCGCAGAGGGCTGGGGGCACCCGAGCCCGAGGGCCGGTTACCTCAGCGAGGGG
 ACTCACCAGGAGCGCCAGCTGGGCCCCATCACCCACCTCCTTCCGGCCCTACGAGGTGGGTCCCGCAGC
 CCGGGCACCCCGGCCGCACTCTGGGGCCGCTCAGCCTGCACCTGTACGGTCTCGGGGGCTGCGGCCA
 GCGCCGGGGGCCACCCAGGACCTCTGCTGCCTACTGCAAGTGGATGGGAGGCCAGGGCCCCGAACAG
 GGCCACTGCGAGGGGGGCCGGAATTCCTGCGGCTGGACCACACCTTCCACCTGGAGCTGGAGGCCGCCAG
 GCTCCTGCGCGCCCTGGTGTCTGCTGGGACCTGGCGTGAGAAGGCACCGGCCCTGTGCCAGGGCACC
 GTGCTGCTGCCACGGTCTTCCGAGGGTGCAGGCCAACAGCTGGCCGTGCGCCTGGAGCCTCAGGGGC
 TGCTGTATGCCAAGCTGACCTGTGCGAGCAGCAGGAAGCCCTGCCACAGCTGAGCCCCGCGTCTTTGG
 GCTGCCCTGCCACTGCTGGTGGAGCGGAGCGGCCCCCCGGCCAGGTGCCCTCATCATCCAGAAGTGC
 GTTGGGCAGATCGAGCGCCGAGGGCTGCGGGTAGTGGGACTGTACCGTCTTTGTGGCTCAGCGGCAGTGA
 AGAAAGAGCTTCGGGATGCCTTTGAGCGGGACAGTGCAGCGGTCTGCCTATCTGAGGACCTGTACCCGA
 TATCAATGTCATCACTGGCATCCTCAAGGATTATCTTCGAGAGTTGCCACCCCACTCATCACCAACCC
 CTGTATAAGGTGGTACTGGAGGCCATGGCCCGGGACCCCCAAACAGAGTTCCCCCACTGAGGGCA
 CCCGAGGGCTCCTCAGCTGCCTGCCAGATGTGGAAGGGCCACGCTGACGCTTCTCCTGGACCACCTGCG
 CCTCGTCTCCTCTCCATGCCTACAACGCATGACCCACAGAACTTGCCGTGTGCTTCGGGCCTGTG
 CTGCTGCCGGCACGCCAGGCGCCACAAGGCCTCGTCCCGCAGCTCCGGCCAGGCCTTGCCAGTGCAG
 TGGACTTCAAGCACACATCGAGGTGCTGCACTACCTGCTGCACTTTGGCCAGATCCCCGCTGCCCGG
 ACAATCTCCAGATGTGCGCCTTACTTGCGACCCAAACGACAGCCACCTCTGCACCTGCCGCTGGCAGAC
 CCCGAAGTGGTGACTCGGCCCGCGGTGAGGAGGCCCGGAAAGCCCCCGAGCAACCGCTACGCCGGCG
 ACTGGAGCGTTTGGGGCGGACTTCTGCCTTGTTGGCGGGATTCTCTGTCCGGGCCAGACTACGACCA
 CGTGACGGGCACTGACAGCGAGGACGAGGACGAGGAGGTGCGCGAGCCGAGGGTCACCGGTGACTTCGAA
 GACGACTTCGATGCGCCCTTCAACCCGACCTGAATCTCAAAGACTTCGACGCCCTCATCTGGATCTGG
 AGAGAGAGCTCTCAAGCAAATCAACGTGTGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223321 representing NM_033025

Red=Cloning site Green=Tags(s)

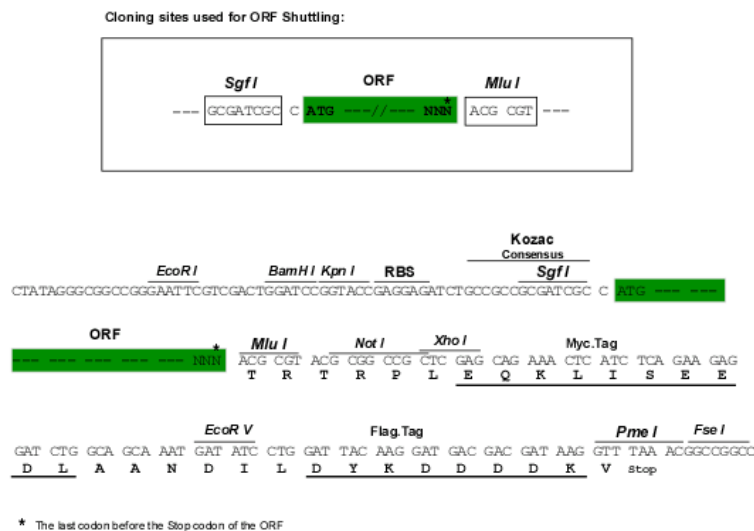
MAEPLLRKTF SRLRGREKLPRKSDAKERGHPAQRPEPSPPEPEPQAEPSQAGAEGPSSPEASRSPARG
AYLQSLPSSRRWVLGGAKPAEDTSLGPGVPGTGEPAGEIWYNPIEEDPRPPAPEPPGPQGSASEGL
APQGAAPASPTKASRTKSPGPARRLSIKMKLPELRRRLSLRGPRAGRERERAAPAGSVISRYHLDSSV
GGPGAAGPGGTRSPRAGYLSGDSPERPAGPPSPTSFRPYEVGPAARAPPAALWGRLSLHLYGLGGLRP
APGATPRDL CCLLQVDGEARARTGPLRGGPDFLRLDHTFHLELEAARLLRALVLAWDPGVRRHRPCAQGT
VLLPTVFRGCQAQQLAVRLEPQGLLYAKLTLSEQQEAPATAEPRVFGFLPLLLVERERPPGQVPLIIQKC
VGQIERRGLRVVGLYRLCGSAVKKELRDAFERDSAIVCLSEDLYPDINVTGILKDYLRLEPTPLITQP
LYKVVLEAMARDPPNRPVPTTEGTRGLLSCLPDVERATLTLLDHLRLVSSFHAYNRMTQNLAVCFGPV
LLPARQAPTRPRARSSGPGLASAVDFKHIEVLHYLLQSWDPRLPRQSPDVAPYLRPKRQPPHLPLAD
PEVVTRPRGRGGPESPPSNRYAGDWSVCGRDFLPCGRDFLSGPDYDHTVGDSEDEEVEGPRVTGDFE
DDFDAPFNPHNLKDFDALILDLEREL SKQINVCL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_033025

ORF Size:

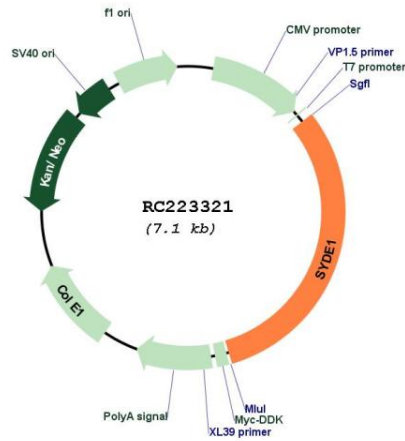
2205 bp

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
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_033025.4 , NP_149014.3
RefSeq Size:	3254 bp
RefSeq ORF:	2208 bp
Locus ID:	85360
UniProt ID:	Q6ZW31
Cytogenetics:	19p13.12
MW:	80.2 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 RC223321