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Product datasheet for SC316591

SYDE2 (NM_032184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYDE2 (NM_032184) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYDE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC316591 representing NM_032184.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACGACCTGCCCCCTGACTCGGGCGCGCGGCGGGGCGGCAGGGGCTTGGCGGATCACAGCTTCCCC
GCGGGAGCCCGGGCTCCGGGCCAGCCGCCTTCCCGCGGCGCCGCGTACCGCCGAGCCTGCCCCCGGGAC
GGGGAGCGGGGAGGCGGCGGACGCCCTCGGCAGCAGGTGTCCCCGCCCCGGTCGCCTCAGAGGGAGCCG
CGGGGAGGCCAGCTGCGGACTCCTCGGATGCGGCCGTCCTGCAGCAGAAGCCTCGAGAGCCTCCGGGTG
GGTGCCAAGCCGCCTCCCTTCCAGCGGTGGCCGAGCGACAGCTGGATCAGGTGCGGCGCGCACCGGGAC
TGGGACGAGCCCCCGCCACGTGGAGGCAGGATGGACGGCTGGAGTGGGGACCGCGCCCGGGCGGCTGCA
CCCACCGGCCTCCAGCCTCCAGGCTGCAAGGACCACGGCTGCTCCTCGGGAAGCCCTTTCAGGGATCCA
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GCAGTGACAGTCAAGAAGCTGCAGAAGTGGATGTACAAAGGGCGTCTGCTGTCCCTGGGAATGAAGGGT
CGTGCCCGTGGGACGGCTCCCAAAGTCACAGGAACGCAGGCAGCCTCCCCAAATGTGGGCGCTTTGAAA
GTGCGTGAAAACCGTGTCCTGTCGGTGCCTCCAGACCAAAGAATTACGCTGACAGATTTATTTGAAAAT
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GAAATATGGTACAATCCCATTCCTGAGGATGATGACCTTGGTATATCAAGTGCCTTGAGTTTTGGTGAG
GCCGACTCTGCTGTTCTGAAGCTCCCTGCTGTCAATTTGAGCATGTTGTCTGGCAGTGACCTGATGAAA
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AATGGAATGAATCCTATACATCCTGCCCATTCCACAGAATTTGTGCAGCAGTACAAGCAAAAGCTAGGA
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AAAAAAGGCAGTTCAATTAATTGGTCATTGCCAGATAAAATAAAATCTCCACGAACTGTGAGGAAACTT
TCCATGAAAATGAAAAAGTTGCCAGAATTTAGCCGAAAGCTAAGCGTTAAGGGAACATTGAATTATATA

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AACAGTCCAGATAATACTCCTTCTTTGTCTAAATATAACTGCCGAGAAGTTCATCATACTGATATTCTG
CCCTCTGGGAACACAACCACCGCTGCTAAGAGGAATGTTATAAGCCGATACCATCTTGATACCAGTGTA
TCCTCCCAGCAGAGCTACCAGAAGAAAAACTCTATGAGTTCTAAGTATTCCTGCAAAGGTGGTTACCTT
AGTGATGGAGACTCACCTGAACTTACAACTAAAGCTAGCAAACATGGATCTGAAAACAAATTTGGAAAA
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GATTTAAAACCACCTCGGATAGATTCAAAAGACGTCTTTTGTGCAATTCAGGTAGATTCAGTAAACAAA
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TGTCATGGAACTGTTGTTCTTCCCACCTTATTTAGAGTGACAAAGACTCATCAGTTGGCTGTCAAACTT
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CTGATGGTGCCCCTTCTGATACAGAAATGTATTATGGAAATTGAAAAGAGAGGCTGTCAGGTAGTAGGC
CTGTATCGATTATGTGGTTCGGCAGCAGTCAAGAAAGAACTGCGAGAGGCTTTTGAGAGAGATAGCAAA
GCTGTTGGTCTGTGTGAAAACCAGTACCCAGATATAAATGTAATAACAGGTGTTCTTAAGGATTATTTA
AGAGAACTCCCTTCTCCTCTGATAACAAAGCAGCTTTATGAGGCTGTATTAGATGCAATGGCAAAAAGT
CCTTTGAAAATGTCATCAAATGGTTGTGAGAATGACCCAGGTGACTCTAAGTACACTGTTGACCTGCTG
GATTGTCTGCCAGAGATTGAGAAGGCAACCCTAAAGATGTTGTTGGATCATTTGAAATTGGTGGCTTCC
TATCATGAAGTGAATAAGATGACGTGCCAGAATTTGGCTGTGTGCTTTGGACCAGTATTATTAAGTCAG
AGGCAAGAGCCTTCCACCCATAACAACAGAGTCTTTACTGATTCAGAAGAACTTGCAAGTGCTTTGGAT
TTTAAAAAACACATTGAAGTTCTTCATTACTTACTCCAACTCTGGCCAGTGCAGCGTTTAACTGTCAAA
AAATCAACAGACAATTTATTCCCAGAGCAGAAGTCTTCTCTGAATTATCTGAGGCAGAAGAAAGAACGA
CCTCATATGTTAAATTTGAGTGGTACTGATTCATCAGGAGTACTTAGGCCAAGGCAAAACCGATTAGAC
AGTCCACTTAGCAATCGTTATGCAGGAGACTGGAGCAGCTGTGGGGAAAACTACTTTTTAAATACAAAA
GAAAATTTAAATGATGTGGATTATGATGATGTCCCTTCAGAAGATAGAAAAATCGGAGAAAATTATAGC
AAAATGGATGGGCCAGAAGTAATGATTGAACAGCCAATTCCCATGTCCAAAGAGTGTACATTTCAGACA
TATTTGACAATGCAGACAGTTGAGTCTACAGTGGATCGAAAAAACAATCTCAAAGATCTACAAGAAAGT
ATTGATACTTTGATTGGAAATCTGGAACGTGAGCTCAACAAAAACAAGCTTAATATGAGTTTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_032184
Insert Size:	3585 bp
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).
OTI Annotation:	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.
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.
RefSeq:	NM_032184.1
RefSeq Size:	4711 bp
RefSeq ORF:	3585 bp
Locus ID:	84144
UniProt ID:	Q5VT97
Cytogenetics:	1p22.3
MW:	133.2 kDa
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]