OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC335458

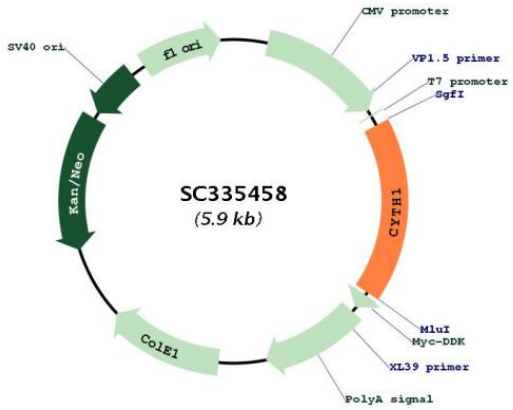
Cytohesin 1 (CYTH1) (NM_001292019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytohesin 1 (CYTH1) (NM_001292019) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYTH1
Synonyms:	B2-1; CYTOHESIN-1; D17S811E; PSCD1; SEC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335458 representing NM_001292019. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAGAGGAACAAACAGGTAGCCATGGGCAGGAAAAAATTTAATATGGACCCTAAAAAGGGGATCCAG TTCTTAATAGAGAACGACCTCCTGAAGAACACTTGTGAAGACATTGCCCAGTTCTTATATAAAGGCGAA GGGCTCAACAAGACAGCCATCGGCGACTACCTAGGGGAGAGAGATGAGTTTAATATCCAGGTTCTTCAT GCATTTGTGGAGCTGCATGAGTTCACTGATCTTAATCTCGTCCAGGCACTACGGCAGTTCCTGTGGAGC TTCCGGCTACCCGGAGAGGCCCAGAAGATCGACCGGATGATGGAGGCGTTTGCCCAGCGATATTGTCAG TGCAATAATGGCGTGTTCCAGTCCACGGATACTTGTTACGTCCTCTCCTTTGCCATCATCATGTTGAAC ACCAGTCTGCACAACCCCAATGTCAAAGATAAGCCCACTGTGGAGAGGTTCATTGCCATGAACCGAGGC ATCAATGATGGGGGAGACCTGCCGGAGGAGCTCCTCCGGAATCTCTATGAGAGCATAAAAAATGAACCC TTTAAAATCCCAGAAGACGACGGGAATGACCTCACTCACACTTTCTTCAATCCAGACCGAGAAGGCTGG CTATTGAAACTCGGAGGTGGCAGGGTAAAGACTTGGAAGAGACGCTGGTTCATTCTGACTGACAACTGC CTTTACTACTTTGAGTATACCACGGATAAGGAGCCCCGTGGAATCATCCCTTTAGAGAATCTGAGTATC CGGGAAGTGGAGGACTCCAAAAAACCAAACTGCTTTGAGCTTTATATCCCCGACAATAAAGACCAAGTT ATCAAGGCCTGCAAGACCGAGGCTGACGGGCGGGTGGTGGAGGGGAACCACACTGTTTACCGGATCTCA GCTCCGACGCCCGAGGAGAAGGAGGAGTGGATTAAGTGCATTAAAGCAGCCATCAGCAGGGACCCTTTC TACGAAATGCTCGCAGCACGGAAAAAGAAGGTCTCCTCCACGAAGCGACACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001292019
Insert Size:	1020 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).
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_001292019.1
RefSeq Size:	3329 bp
RefSeq ORF:	1020 bp
Locus ID:	9267
UniProt ID:	Q15438
Cytogenetics:	17q25.3

MW: 39.5 kDa

Gene Summary: The protein encoded by this gene is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. This gene is highly expressed in natural killer and peripheral T cells, and regulates the adhesiveness of integrins at the plasma membrane of lymphocytes. A pseudogene of this gene has been defined on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
Transcript Variant: This variant (4) uses an alternate 5'-terminal exon, differs in its 5' UTR, and uses a downstream start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1. Both variants 3 and 4 encode the same isoform.