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 SC305623

FHDC1 (NM_033393) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FHDC1 (NM_033393) Human Untagged Clone
Tag:	Tag Free
Symbol:	FHDC1
Synonyms:	INF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC305623 representing NM_033393.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATGTTATGAATTGTGTCTCCTTGGTCAGTGATAAAGAAAATGGGAATATTGCCACAGCACCTGGA
TTCATGATTGGGCAGACACCTCCTCCAGCACCTCCTCCACCTCCTCCTCCACCCCCTCCATCTCCACCA
TGTTCATGTTCAAGGGAAGAGTGTCCTTCCTCCCCTCCTCCACCCCCACCACCTCCACTTCCTGGGGAG
CCTCCCATCCCACCTCCCCCACCAGGCCTACCCCCAACTACTCACATGAACGGCTACAGCCACCTTGGT
AAGAAAAAGCGGATGAGAAGCTTTTTTTGGAAAACTATTCCGGAGGAGCAAGTTCGAGGCAAAACCAAC
ATCTGGACCTTGGCAGCCAGGCAGGAACATCACTACCAAATTGATACAAAGACCATTGAGGAGCTCTTT
GGGCAGCAGGAAGACACCACCAAGTCTTCCCTTCCTAGGAGAGGAAGAACTTTAAATTCATCCTTCAGA
GAAGCTCGAGAAGAGATTACTATTTTGGATGCAAAACGGAGCATGAACATTGGGATATTTCTTAAGCAA
TTTAAGAAGTCTCCTCGGTCCATTGTAGAAGATATTCATCAAGGAAAAAGTGAGCATTATGGATCAGAG
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GACGTGTCGAAGCTGTCTCTGGCAGATTCCTTTCTGTATGGCTTAATTCAGGTGCCAAACTATTCACTT
CGGATTGAAGCCATGGTGCTAAAGAAGGAATTTCTACCTTCTTGCTCTTCTCTATATACAGATATAACA
GTTTTAAGAACTGCTATAAAAGAACTGATGTCATGTGAAGAGCTACATTCAATATTACACTTGGTGCTC
CAGGCTGGGAATATCATGAATGCAGGAGGGTATGCCGGCAATGCAGTAGGATTTAAACTGTCTTCTTTG
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CAAAAGAAAGATACCATTCTTCTAAACTTTTCAGAAAAATTGCATCATGTTCAGAAGACTGCTAGATTA
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CAGCGGGATGGTGAACTTTGTCAGCAGATGGAAGATTTTCTTCAGTTTGCCATAGAAAAGCTGAGGGAA
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AAAACCATGAAACTGGATGAATGCTTTCAGATATTTAGAGATTTCTGTACCAAATTCAACAAAGCAGTT
AAGGACAACCACGACCGGGAGGCGCAGGAGCTGAGGCAGCTGCAGAGGCTGAAGGAGCAGGAGCAGAAG
CAGCGCTCCTGGGCAACTGGGGAGCTGGGGGCATTTGGCCGGAGCAGCAGTGAGAATGATGTGGAGCTG

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CTGACCAAGAAGGGTGCAGAGGGCCTGCTCCCTTTCCTGCACCCCAGGCCCATCAGCCCCTCCAGCCCC
TCCTACCGGCCCCCGAACACCCGCCGCTCCCGCCTCTCCCTGGGTCCCTCTGCTGACCGGGAGCTGCTG
ACCTTCTTGGAGAGCTCCACCGGCAGCCCTGAGGAGCCCAATAAGTTCCACAGCCTGCCCCGGAGCAGC
CCCCGGCAGGCCCGGCCCACGATAGCCTGCCTGGAGCCTGCAGAAGTGAGGCACCAGGACTCCAGCTTT
GCACACAAACCTCAGGCCTCGGGGGGCCAGGAGGAGGCCCCCAACCCACCCTCAGCACAGGCGCACCAG
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GAGGAGACCTCCCAGCTGACTCTGAGTGACTTCAGCCCGATGGAGCTAGAGTCTGTGGGGCATAGGGGC
CCGCAGTCCCTCAGTGCCAGCAGCAGCAGCCTGACACCCATGGGCAGAGATGCCCTGGGGAGTCTCAGC
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GGCTCCATGTCCTCTGGGGTTGGAGAAATGGGGGACAGCCAAGTCTCCTCCAACCCTACATCCAGCCCC
CCTGGGGAGGCTCCTGCCCCCGTCTCTGTGGATAGTGAGCCCAGCTGCAAGGGCGGCCTGCCCAGGGAC
AAACCCACCAAAAGGAAAGATGTTGTAGCACCAAAGAGAGGCTCCCTGAAAGAGGCGTCTCCCGGGGCC
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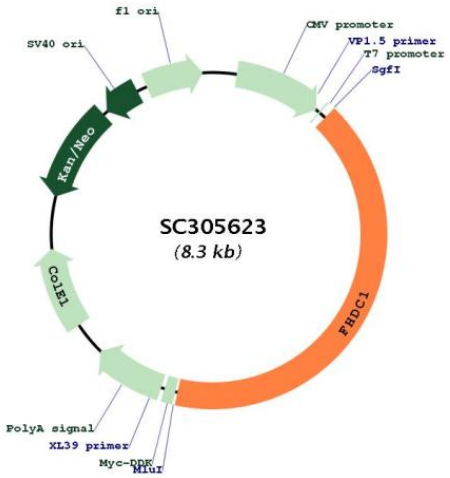
GAGAACGAGAGCATGCGCAAGGTCATGCCCATCACCAAGTCCAGCAGAGGCGCCGGCTGGAGGCGACCA
GAGCTGTCATCCCGGGGGCCCTCCCAGAATCCCCCCAGCAGCACAGATACTGTGTGGTCACGCCAGAAC
TCCGTGCGGAGGGCCTCCACAGGCGCCGAAGAGCAGAGGCTGCCGCGGGGGAGCAGCGGCTCCAGCAGC
ACCCGTCCGGGGAGGGACGTTCCCCTGCAGCCCAGGGGTTCTTTCAAGAAGCCCAGTGCCAAACCACTC
AGGAACCTCCCCAGACAGAAGCCTGAGGAAAATAAGACCTGCCGCGCCCACTCCGAGGGCCCTGAGAGT
CCCAAAGAAGAGCCCAAGACCCCGTCAGTGCCCAGCGTCCCCCACGAACTACCCCGTGTCCCGAGCTTT
GCCCGGAACACAGTGGCCTCCTCCTCTCGAAGCATGAGAACAGATCTTCCTCCCGTGGCCAAAGCCCCC
GGCATCACTCGGACAGTGTCGCAGCGGCAGCTGAGGGTGAAAGGGGACCCCGAGGATGCCGCTCCCAAG
GACAGCAGCACTTTGAGGCGAGCCAGCAGTGCCCGGGCCCCCAAGAAGCGCCCAGAGTCTGCGGAGGGT
CCCAGTGCCAACACGGAGGCCCCTCTGAAGGCCAGAGGGGCTGGGGAAAGGGCCTCCCTCCGTCGGAAG
GACTCCAGTCGGACCACGCTGGGGAGAATCCTCAATCCCTTACGGAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_033393

Insert Size:	3432 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_033393.2
RefSeq Size:	6480 bp
RefSeq ORF:	3432 bp
Locus ID:	85462
UniProt ID:	Q9C0D6
Cytogenetics:	4q31.3
MW:	124.8 kDa
Gene Summary:	Microtubule-associated formin which regulates both actin and microtubule dynamics. Induces microtubule acetylation and stabilization and actin stress fiber formation (PubMed:18815276). Regulates Golgi ribbon formation (PubMed:26564798). Required for normal cilia assembly. Early in cilia assembly, may assist in the maturation and positioning of the centrosome/basal body, and once cilia assembly has initiated, may also promote cilia elongation by inhibiting disassembly (PubMed:29742020).[UniProtKB/Swiss-Prot Function]