

Product datasheet for **SC304828**

KLHDC5 (KLHL42) (NM_020782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHDC5 (KLHL42) (NM_020782) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHDC5
Synonyms:	Ctb9; KLHDC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304828 representing NM_020782.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGGCCGAGGAGATGGTGCAGATCCGCCTGGAGGACCGCTGCTACCCGGTGAGCAAGAGGAAGCTC
ATCGAGCAGAGCGACTACTTCCGCGCCCTCTACCGCTCCGGCATGCGCGAGGCCCTGAGCCAGGAGGCC
GGCGGCCCGGAGGTGCAGCAGCTGCGCGGCCCTCAGCGCGCCGGGCTGCGGCTGGTGTGACTTCATC
AACGCGGCGGGGCCCGCAAGGCTGGCTCCTGGGCCCGCGCGGGGAAAAGGGCGCGGGGTGGACGAG
GACGAGGAGATGGATGAGGTGAGCCTGTGTCCGAGCTGGTGGAGGCGGCCCTCTTCCTGCAGGTCAAG
TCCCTGTGCAGCTGTGTGTCCAGGTGCGGCTCAATAACTGCCTGGAGATGTACCGCTGGCGCAG
GTGTACGGGTGCCCCGACCTGCAGGAGGCTGCCTGCGCTTCATGGTCTCCACTCCACGAGGTGTG
TGCAAGCCCCAGTTCACCTCTGGGGTCTCTCCCAAGCTCCAGGGGATGTACGCTGAAGCAGAGG
CTGAGGGAGGCCCGATGACTGGGACTCCTGTCTCGTGGCCCTCGGGGACTTCTGGGGGACCCCTG
GCCCTCACCCCTACCAGGGGAGCCCCCGTCCATGCTCAGGTACGAGGAGATGACTGAGCGTTGGTTC
CCGCTGGCCAACAACCTTCTCCCGACCTGGTCAATGTCAGGGGCTATGGGTCTGCCATCTGGACAAC
TACCTCTTCATAGTGGGCGGGTACAGGATCACTAGCCAGGAGATCTCCGCTGCGCATTCTACAACCCC
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GACATGTGGACGCTCTTTGAAACATGTGACGTCCACATTCGCAAGCAGCAGATGGTGTCTGTGGAAGAG
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ATGCTCACCGTGCAGTCTTACAACACCGTCACCGCCAGTGGCTTACCTCAAGGAGAACACGTCCAAA
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TCGACCAGCTTGAACACCGAGTGTCTCAAGTACAACATCTTTTCAGATAGTTGGGAAGCATTTTCGG
CGTTTTCCAGCTTTTGGACATAACTTGTGTTTCTTCTTTATCTGCCAATAAAGCAGAAACATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_020782

Insert Size: 1518 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:	<u>NM_020782.1</u>
RefSeq Size:	6477 bp
RefSeq ORF:	1518 bp
Locus ID:	57542
UniProt ID:	<u>Q9P2K6</u>
Cytogenetics:	12p11.22
MW:	56.9 kDa
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for mitotic progression and cytokinesis. The BCR(KLHL42) E3 ubiquitin ligase complex mediates the ubiquitination and subsequent degradation of KATNA1. Involved in microtubule dynamics throughout mitosis.[UniProtKB/Swiss-Prot Function]