

Product datasheet for **SC336960**

C3IP1 (KLHL12) (NM_001303051) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3IP1 (KLHL12) (NM_001303051) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL12
Synonyms:	C3IP1; DKIR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

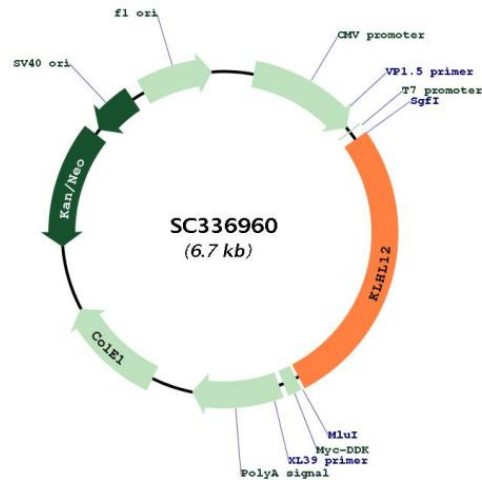


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Fully Sequenced ORF: >SC336960 representing NM_001303051.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACGTGAATAAATTTGAGGCCTCTGTGGTTTTCTCGATGTCAAAAAGTTCCTCAGTACCTGGAAG
TTGCAGAATCCAAGGACCCATTTTGTCTTTCTCCGACTGCTTTATGGGAGGCATTATGGCCCCAAA
GACATAATGACAAATACTCATGCTAAATCCATCCTCAATTCAATGAACTCCCTCAGGAAGAGCAATACC
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001303051

Insert Size: 1821 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_001303051.1](#)

RefSeq Size: 3364 bp

RefSeq ORF: 1821 bp

Locus ID: 59349

UniProt ID: [Q53G59](#)

Cytogenetics: 1q32.1

MW: 67.7 kDa

Gene Summary:

This gene encodes a member of the KLHL (Kelch-like) family of proteins. This protein has been identified as an autoantigen in the autoimmune disease Sjogren's syndrome and as a potential biomarker in primary biliary cirrhosis. This protein may act as a substrate adaptor of the Cullin-3 ubiquitin ligase complex to promote substrate-specific ubiquitylation. Ubiquitylation by this complex has been shown to regulate the Wnt signaling pathway as well as COPII vesicle coat size. A pseudogene has been identified on chromosome 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Transcript Variant: This variant (1) encodes the longest isoform (1).