

Product datasheet for **SC329039**

KLHL13 (NM_001168299) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL13 (NM_001168299) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL13
Synonyms:	BKLHD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

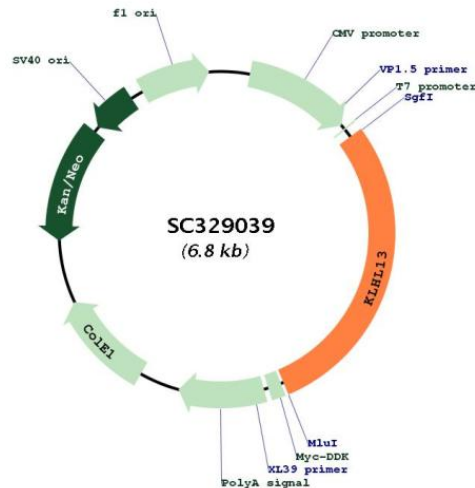


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Fully Sequenced ORF: >SC329039 representing NM_001168299.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATGAGAGTTCAAACCTTAAGAGAAAAATGGCTTATTGGAGACGGAGGCAATTGTCATTAACAA
GCCGATTTCAAGGATATATTTCAAAAAATCAACTTCAGGATCTCTCGTGAAGAGGAAGACCAACACATG
AAATTGTCCTTGGAGGCAGCGAAATGGCCTCTCATCCATTTGCAGTCTTCCAAGGCAGGACCTACA
CGCATCTTTACCAGCAATACCCACAGTTCTGTGGTGTACAGGGCTTTGACCAGCTTCGACTTGAAGGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001168299

Insert Size: 1977 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_001168299.1](#)

RefSeq Size: 3223 bp

RefSeq ORF: 1977 bp

Locus ID: 90293

UniProt ID: [Q9P2N7](#)

Cytogenetics: Xq24

Protein Pathways: Ubiquitin mediated proteolysis

MW: 74.6 kDa

Gene Summary: This gene encodes a BTB and kelch domain containing protein and belongs to the kelch repeat domain containing superfamily of proteins. The encoded protein functions as an adaptor protein that complexes with Cullin 3 and other proteins to form the Cullin 3-based E3 ubiquitin-protein ligase complex. This complex is necessary for proper chromosome segregation and completion of cytokinesis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1, resulting in an isoform (b) with a distinct and longer N-terminus, compared to isoform a.