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Product datasheet for SC306408

KLHL10 (NM_152467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL10 (NM_152467) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL10
Synonyms:	SPGF11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC306408 representing NM_152467.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGATGGAGAGCGCGGCGGCCTCCACACGTTTCCACCAGCCTCACATGGAGAGGAAGATGAGTGCG
ATGGCCTGTGAGATCTTCAACGAGCTTAGACTAGAGGGCAAGCTCTGCGACGTGGTCATCAAGGTCAAT
GGCTTTGAGTTCAGTGCCCATAAGAACATCCTCTGTAGCTGCAGTTCCTACTTTAGAGCTTTGTTTACA
AGTGGCTGGAACAACACTGAAAAGAAGGTATACAACATCCCTGGCATTTCTCCCGACATGATGAAGCTA
ATCATTGAGTATGCATACACCCGGACCGTGCCTATCACACCGGACAATGTGGAGAAACTGCTTGCTGCT
GCAGACCAGTTTAACATCATGGGTATCGTCAGGGGTTGCTGCGAGTTCCTCAAGTCAGAGCTGTGCTTG
GATAATTGTATCGGCATCTGTAAGTTCACGGACTACTACTACTGTCCTGAGCTGAGGCAGAAGGCCTAC
ATGTTCATACTGCACAACTTTGAGGAGATGGTGAAAGTCTCGGCAGAATTTTTAGAGCTCTCGGTCACT
GAACTTAAGGATATCATTGAGAAAGATGAGCTCAATGTCAAACAGGAAGATGCTGTATTTGAGGCCATT
TTAAAGTGGATTTCTCATGACCCCCAAAATAGAAAGCAGCACATTTCAATTTTGCTTCCTAAGGTTCGC
CTGGCCCTAATGCATGCTGAGTACTTCATGAACAATGTTAAGATGAATGACTATGTCAAAGACAGTGAG
GAATGCAAACCAGTCATCATTAATGCCCTAAAGGCCATGTATGACCTCAACATGAATGGACCCTCTAAT
TCTGATTTCACCAACCCACTCACCAGACCACGCTTGCCCTATGCCATCCTCTTTGCAATTGGTGGCTGG
AGTGGTGGGAGCCCCACCAATGCCATTGAGGCATATGACGCTCGGGCAGACAGATGGGTGAATGTTACT
TGTGAGGAAGAGAGTCCCCGTGCCTACCATGGGGCAGCCTATTTGAAAGGCTATGTGTATATCATTGGG
GGGTTTGATAGTGTAGACTATTTCAATAGTGTTAAGCGTTTTGACCCAGTCAAGAAAACTTGGCATCAG
GTGGCCCCGATGCACTCCAGACGTTGCTATGTCAGTGTGACAGTCCTCGGCAATTTTATTTATGCCATG
GGAGGATTTGATGGCTACGTGCGTCTAAACACTGCTGAACGTTATGAGCCAGAGACCAATCAATGGACA
CTCATCGCCCCCATGCACGAACAGAGGAGTGATGCAAGCGCCACAACACTTTATGGGAAGGTCTACATA
TGTGGTGGGTTTAATGGAAACGAGTGCCTGTTCACAGCAGAAGTGTATAACACTGAAAGTAATCAGTGG
ACAGTCATAGCACCCATGAGAAGCAGGAGGAGTGGAATAGGCGTGATTGCTTATGGAGAACATGTATAT
GCGGTAGGTGGCTTTGATGGAGCTAATCGACTTAGGAGTGCCGAAGCCTACAGCCCTGTGGCTAACACT
TGGCGCACAATCCCCACTATGTTTAATCCTCGTAGCAATTTTGGCATCGAGGTGGTGGATGACCTCTTG
TTTGTGGTGGGTGGCTTTAATGGTTTTACCACCACCTTTAATGTTGAGTGCTATGATGAAAAGACCGAT
GAGTGGTATGATGCTCATGACATGAGTATATACCGCAGTGCTCTGAGCTGCTGTGTAGTACCAGGGCTG
GCCAATGTTGAGGAATATGCAGCTAGACGGGACAACTTCCCAGGATTAGCACTGCGAGATGAAGTAAAA
TATTCTGCTTCGACAAGTACCCTACCTGTATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_152467

Insert Size: 1827 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_152467.4
RefSeq Size:	2041 bp
RefSeq ORF:	1827 bp
Locus ID:	317719
UniProt ID:	Q6JEL2
Cytogenetics:	17q21.2
MW:	68.9 kDa
Gene Summary:	The protein encoded by this gene belongs to the kelch repeat-containing family, and contains an N-terminal BTB/POZ domain a BACK domain and six C-terminal kelch repeats. Kelch domains are thought to form a four stranded beta-sheet blade structure that can fold into a beta-propeller domain when multiple kelch repeats are found together. Mutations in this gene have been associated with oligozoospermia in some infertile males. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein (isoform 1).