

Product datasheet for **RR201862**

Klhl10 (NM_001001510) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl10 (NM_001001510) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klhl10
Synonyms:	MGC94527
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201862 representing NM_001001510
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAGATGGAGAGCTCGGCGGCTCCACCCGGTTCACACGCTCACATGGAGAGGAAAATGAGCGCGA
 TGACCTGTGAGATCTTCAACGAGCTCCGGCTTGAGGGCAAGCTCTGTGACGTGGTCATCAAAGTCAATGG
 CTTTCGAGTTCAATGCCATAAGAACATCCTCTGTAGCTGCAGTTCCTACTTTAGAGCTTTGTTTACAAGT
 GGCTGGAACAACACTGAGAAGAAGGTTTACAACATTCTGGCATTTCCTCCGACATGATGAAGCTAATCA
 TTGAGTATGCGTACACTCGGACCGTGCCAATCACCCCTGACAACGTGGAGAAGCTGCTGGCTGCTGCCGA
 CCAGTTTAAACATCATGGGAATTGTTAGGGGTGCTGTGAGTTCCTCAAGTCGGAGCTGTGTCTGGATAAC
 TGTATCGGTATCTGCAAGTTCACGGACTACTACTGCCCTGAGCTGAGGCAGAAGGCCTACATGTTCA
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 TCCTCGAGCCTACCATGGGCGAGCCTACTTGAAAGGCTATGTTTACATCATCGGGGGTTTGATAGCGTA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

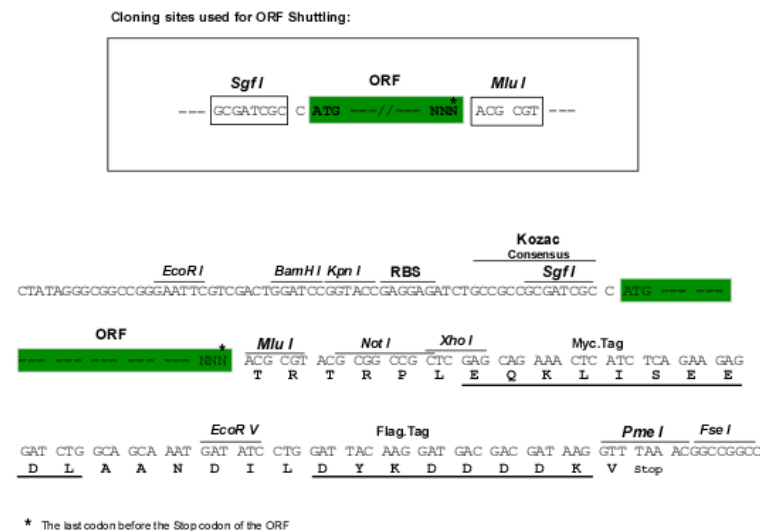
>RR201862 representing NM_001001510
 Red=Cloning site Green=Tags(s)

MEMESSAASTRFHQPHMERKMSAMTCEIFNELRLEGKLCDEVVIVNGFEFNAHKNILCSCSSYFRALFTS
 GWNNTTEKKVYNIPGISPDMMKLIIEYAYTRTPITPDNVEKLLAADQFNIMGIVRGCEFLKSELCLDN
 CIGICKFTDYCYCPQLRQKAYMFIHNFEEMVKVSAEFELSVTELKDIIEKDELNVKQEDAVFEAILKW
 ISHDPQNRKQHSVLLPKVRLALMHAIEYFMNNVKNNDYVVDSECKPVIINALKAMYDLNMNGPSNSDFT
 NPLTRPRLPYAILFAIGWSSGSPNTAIEAYDARADRWVNTCEESPRAYHGAAYLKGYVYIIGGFDSV
 DYFNSVKRFPVKKTWHQVAPMHSRRCYSVTVLSNFIYAMGGFDGYVRLNTAERYEPETNQWTLIAPMH
 EQRSDASATTLYGKVIICGGFNGNECLFTEVYNTESNQWTVIAPMRSRRSGIGVIAEGEHVYAVGGFDG
 ANRLRSAEAYSPVANTWRTIPTMFNPRSNFGIEVVDDLLFVVGFGNGFTTTFNVECYDEKTDWEYDAHDM
 SIYRSALSCCVPLANVGEYAARRDNFTGLALRDEVKYSASTSTLPVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001001510

ORF Size: 1824 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001001510.1](#), [NP_001001510.1](#)

RefSeq Size: 2012 bp

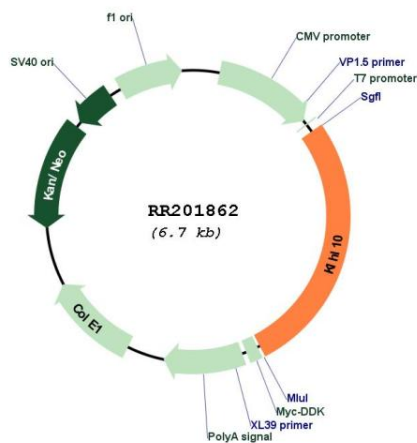
RefSeq ORF: 1827 bp

Locus ID: 303533

UniProt ID: Q6JEL3

Cytogenetics:	10q31
MW:	69 kDa
Gene Summary:	May be a substrate-specific adapter of a CUL3-based E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins during spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR201862