

Product datasheet for **MR206281**

Klhl7 (NM_001161800) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl7 (NM_001161800) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klhl7
Synonyms:	2700038B03Rik; D5Ertd363e; SBBI26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206281 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCTCCGGCGTGGAAAAGAGTAGCAAGAAGAAAAGTGAAGAAGAACTTGC GGCTCGGAAGAAG
CCAAGCTGCTGGCGGGTTCATGGCGTGCATGAACAACATGAGGAAACAGAGAACACTGTGTGACGTGAT
CCTCACCGTCCAGGAAAGAAAGATCCCCGCTCACCGCTTGTCTGGCTGCAGCCAGTCACTTCTTTAAC
TTAATGTTCACTAACAATGCTTGAATCTAAGTCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA
TTATTGAACAACGGTGGATTTGCTTACTGCTAGAATTTCTGTGAATAGCAACAATGTCAGTCTTT
GTTAGATGCAGCAAATCAGTACCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTGAAAGAACA
GTTGATGCTTCAAATTGCTTGGTATAAGTGTGCTTGCAGAGTGTCTGGACTGTCCTGAACCTGAAAGCTA
CAGCTGACGACTTCATTCATCAGCATTTCACTGAGGTTTACAAAACAGATGAATTCCTACAGCTTGATGT
CAAGCGAGTGACACATCTCTCAGCCAGGACACCCTGACTGTGAGAGCAGAGGACCAGGTTTATGACGCT
GCCGTGAGGTGGTTGAAATATGATGAGCCTAACCGCCAGCCATTCATGGTTGATATCCTTGCTAAAGTCA
GGTTTCCTCTTATATCGAAGAATTTCTAAGTAAACAGTACAAGCTGAACCACTTATTCAGATAATCC
TGAATGCCTTAAAATGGTGATAAGTGAATGAGGTACCATCTGCTGTCTCTGAGGATCGAGAAGAAGT
GCAGGTGGCACACGGCCTAGAAGAAAGAAACATGATTACCGCATAGCTCTGTTTGGAGGCTCCCAACCAC
AGTCTGTAGATATTTTAAACCAAAGGATTACAGTTGGACAGACATTGCTGCCCCCTTGA AAAACGGAAG
AGATGCAGCATGTGTGTTTTGGACAATGTAGTATACATTTTGGGAGGTTCTCAGCTTTTCCCATAAAG
CGAATGGATTGCTACAATGTTGTAAAGGATAGCTGGTATTCCAAACTGGGCCCTCCAACCTCGAGACA
GCCTTGCTGCCTGTGCAGCAGAAGGCAAAAATTTATACATCTGGAGGTTCAGAAGTAGGAAACTCGGCC
TGATTTGTT

ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206281 protein sequence
Red=Cloning site Green=Tags(s)

MATSGVEKSSKKKTEKKLAAREEAKLLAGFMGVMNMRKQRTLCDVILTVQERKIPHRVFLAAASHFFN
 LMFTTNMLESKSFEVELKDAEPDIEQLVEFAYTARISVNSNNVQSLDAANQYQIEPVKKMCVDFLKEQ
 VDASNCLGISVLAECDCPELKATADDFIHQHFTEVYKTDFELQLDVKRVTHLLSQDTLTVRAEDQVYDA
 AVRWLKYDEPNRQPFMVDILAKVRFPLISKNFLSKTVQAEPLIQDNPECLKMVISGMRYHLLSPEDREEL
 AGGTRPRRKKHDYRIALFGGSQPQSCRYFNPKDYSWTDIRCPFEKRRDAACVFDWNVVYILGGSQFLPIK
 RMDCYNVVKDSWYSKLGPPTPRDSLAAACAAEGKNLYIWRFRSRKLGPFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001161800

ORF Size: 1203 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 Size: 3329 bp

RefSeq ORF: 1422 bp

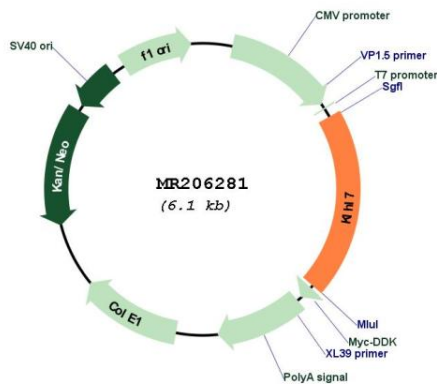
Locus ID: 52323

Cytogenetics: 5 10.67 cM

MW: 45.9 kDa

Gene Summary: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex. The BCR(KLHL7) complex acts by mediating ubiquitination and subsequent degradation of substrate proteins. Probably mediates 'Lys-48'-linked ubiquitination (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206281