

Product datasheet for **MG206281**

Klhl7 (BC029154) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl7 (BC029154) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klhl7
Synonyms:	Klhl6, SBB126
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206281 representing BC029154 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCTCCGGCGTGGAAAAGAGTAGCAAGAAGAAAAGTGAAGAAGAACTTGC GGCTCGGAAGAAG
CCAAGCTGCTGGCGGGTTCATGGCGTCATGAACAACATGAGGAAACAGAGAACACTGTGTGACGTGAT
CCTCACCGTCCAGGAAAGAAAGATCCCCGCTCACC GCGTTGTCTGGCTGCAGCCAGTCACTTCTTTAAC
TTAATGTTCACTAACAATGCTTGAATCTAAGTCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA
TTATTGAACAACGGTGGAAATTTGCTTACTGCTAGAATTTCTGTGAATAGCAACAATGTCAGTCTTT
GTTAGATGCAGCAAATCAGTACCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTGAAAGAACA
GTTGATGCTTCAAATGTCTTGGTATAAGTGTGCTTGCAGAGTGTCTGGACTGTCCTGAACCTGAAAGCTA
CAGCTGACGACTTCATTCATCAGCATTTCACTGAGGTTTACAAAACAGATGAATTCCTACAGCTTGATGT
CAAGCGAGTGACACATCTCTCAGCCAGGACACCCTGACTGTGAGAGCAGAGGACCAGGTTTATGACGCT
GCCGTGAGGTGGTTGAAATATGATGAGCCTAACCGCCAGCCATTCATGGTTGATATCCTTGCTAAAGTCA
GGTTTCTCTTATATCGAAGAATTTCTAAGTAAACAGTACAAGCTGAACCACTTATTCAGATAATCC
TGAATGCCTTAAAATGGTGATAAGTGGAAATGAGGTACCATCTGCTGTCTCTGAGGATCGAGAAGAAGT
GCAGTGGCACACGGCCTAGAAGAAAGAAACATGATTACCGCATAGCTCTGTTTGGAGGCTCCCAACCAC
AGTCTGTAGATATTTTAAACCAAAGGATTACAGTTGGACAGACATTGCTGCCCTTTGAAAAACGAAG
AGATGCAGCATGTGTGTTTTGGACAATGTAGTATACATTTTGGGAGGTTCTCAGCTTTTCCCATAAAG
CGAATGGATTGCTACAATGTTGTAAAGGATAGCTGGTATTCAAAAGTGGCCCTCCAACCTCGAGACA
GCCTTGTGCTGTGCAGCAGAAGGCAAAAATTTATACATCTGGAGGTTCAGAAGTAGGAAACTCGGCC
TGATTTGTT

ACGGTACGGCGCGCTCGAG - GFP Tag - GTTTAA



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MATSGVEKSSKKKTEKKLAAREEAKLLAGFMGVMNMRKQRTLCDVILTVQERKIPHRVFLAAASHFFN
 LMFTTNMLESKSFEVELKDAEPDIEQLVEFAYTARISVNSNNVQSL LDAANQYQIEPVKKMCDVFLKEQ
 VDASNCLGISVLAECDCPELKATADDFIHQHFTEVYKTDEFLLQLDVQRVTHLLSQDTLTVRAEDQVYDA
 AVRWLKYDEPNRQPFMVDILAKVRFPLISKNFLSKTVQAEPLIQDNPECLKMVISGMRYHLLSPEDREEL
 AGGTRPRRKKHDYRIALFGGSQPQSCRYFNPKDYSWTDIRCPFEKRRDAACVFWDNVVYILGGSQLFPIK
 RMDCYNVVKDSWYSKLGPPTPRDSLAAACAAEGKNLYIWRFRSRKLGPFV

TRTRPLE - GFP Tag - V

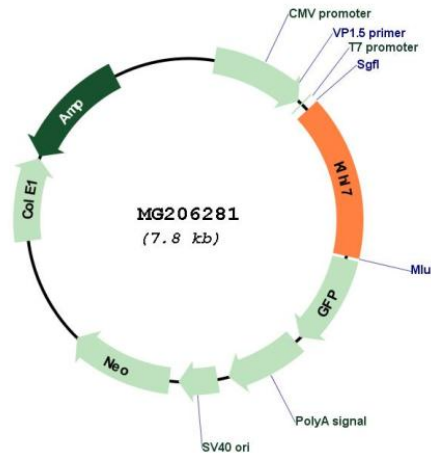
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC029154

ORF Size:	1202 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:	<ol style="list-style-type: none">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:	BC029154 , AAH29154
RefSeq Size:	2866 bp
RefSeq ORF:	1202 bp
Locus ID:	52323
Cytogenetics:	5 10.67 cM
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]