

Product datasheet for **MG218833**

Klh17 (NM_026448) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klh17 (NM_026448) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klh17
Synonyms:	2700038B03Rik; D5Ertd363e; SBBI26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218833 representing NM_026448
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACCTCCGGCGTGAAAAGAGTAGCAAGAAGAAAAGTGAAGAAGAACTTGGCGCTCGCGAAGAAG
 CCAAGCTGCTGGCGGGTTCATGGCGTCACTGAACAACATGAGGAAACAGAGAACACTGTGTGACGTGAT
 CCTCACTGTCCAGGAAAGAAAGATCCCCGCTCACCGCGTTGCTCCTGGCTGCAGCCAGTCACTTCTTAAAC
 TTAATGTTCAACAATAACATGCTTGAATCTAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA
 TTATTGAACAACGGTGGAAATTTGCTTATACTGCTAGAATTTCTGTGAATAGCAACAATGTTTCAGTCTTT
 GTTAGATGCAGCAAACTAGTACCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTAAAGAACAA
 GTTGATGCTTCAAATTGCTTGGTATAAGTGTGCTTGCAGAGTGTCTGGACTGCTCCTGAAGTAAAGCTA
 CAGCTGATGACTTCAATCATCAGCATTTCACTGAGGTTTACAAAACAGATGAATTCCTGCAGCTTGATGT
 CAAGCGAGTGACACATCTTCTCAGCCAGGACACCTGACTGTGAGAGCAGAGGACCAGGTTTATGACGCT
 GCCGTGAGGTGGTTGAAATATGATGAGCCTAACCGCCAGCCATTCATGGTTGATATCCTTGTAAAGTCA
 GTTTTCTCTTATATCGAAGAATTTCTAAGTAAAACAGTACAAGCTGAACCACTTATTCAGATAATCC
 TGAATGCCTTAAATGGTGATAAGTGGAAATGAGGTACCATCTGCTGTCTCCTGAGGATCGAGAAGAACTT
 GCAGGTGGCACACGGCCTAGAAGAAAGAAACATGATTACCGCATAGCTCTGTTTGGAGGCTCCCAACCAC
 AGTCTGTAGATATTTTAAACCAAAGGATTACAGTTGGACAGACATTCGCTGCCCTTTGAAAACGAAAG
 AGATGCAGCATGTGTGTTTTGGGACAATGTAGTATACATTTTGGGAGGTTCTCAGCTTTCCCAATAAAG
 CGAATGGATTGCTACAATGTTGTAAAGGATAGCTGGTATTCCAAACCTGGGCCCTCAACACCTCGAGACA
 GCCTTGCCTGCCTGTGCAGCAGAAGGCAAAATTTATACATCTGGAGGTTCAGAAGTAGGAAACTCGGCCCT
 GTATTTGTTTGAATGCTATGATACAAGGACCGAGAGTTGGCACACGAAGCCAGCATGCTGACTCAGCGC
 TGCAGCCATGGGATGGTGGAGGCCAATGCCTCATCTATGTTTGTGGTGAAGCTTAGGAAAACATGTTT
 CTGGGAGAGTGCTTAGTTCCTGTGAAGTGTATGATCCTGCCACAGAAACATGGACTGAGCTGTGTTCAAT
 GATTGAGCCAGGAAGAATCATGGGCTGGTGTGTTGTAAGGACAAGATATTTGCTGTGCGGTGGTCAGAAT
 GGTTTAGTGGTCTGGACAATGTGAATATTACGATATCAAGTTAAATGAATGGAAGATGGTGTACCCGA
 TGCCATGGAGGGGTGCACGGTGAAGTGTGCAGCAGTTGGCTCTGTCATCTATGCTCCTGGCAGGTTTTCA
 GGGTGTAGGCAGATTGGGCATATCCTTGAGTATAATACTGAAACAGATAAGTGGATCGCCAACCTAAAA
 GTCGGGCTTTCCAGTCACAAGTTGTCTAATTTGTGTTGTTGATACTTGTGGAGCAATGAAGAGACCC
 TTGAAACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218833 representing NM_026448
 Red=Cloning site Green=Tags(s)

MATSGVEKSSKKKTEKLAAREEAALLAGFMGMNMRKQRTLCDVILTVQERKIPAHRVVLAASHFFN
 LMFTTNMLESKSFEVELKDAEPDIEQLVEFAYTARISVNSNNVQSLDAANQYQIEPVKMKCVDFLKEQ
 VDASNCLGISVLAELDCPELKAADDFIHQHFTEVYKDEFLLQDVKRVTHLLSQDTLTVRAEDQVYDA
 AVRWLKYDEPNRQPFMVDILAKVRFPLISKNFLSKTVQAEPLIQDNPECLKMVISGMRVHLLSPEDREEL
 AGGTRPRRKKHRYRIALFGGSQPQSCRYFNPKDYSWTDIRCPFEKRRDAACVFDNVVYILGGSQLFPIK
 RMDCYNVVKDSWYSKLGPPTPRDSLAAEAEGKIYTSGGSEVGNALYLFECYDTRTESWHTKPSMLTQR
 CSHGMVEANGLIYVCGGSLGNNVSGRVLSSCEVYDPATEWTWELCSMIEPRKNHGLVFKDKIFAVGGQN
 GLGGLDNVEYYDIKLNWKMVSPMPWRGVTVKCAAVGSVIYVLAGFQGVGRLGHILEYNTETDKWIANSK
 VRAFPVTSCLICVVDTCGANEETLET

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

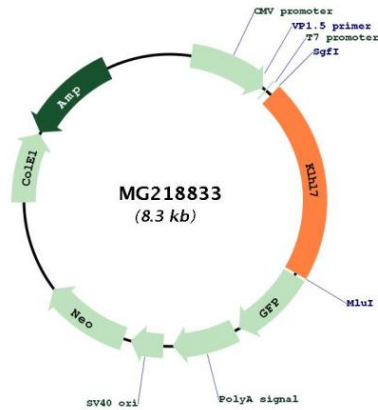
Cloning Scheme:


- ACCN:** NM_026448
- ORF Size:** 1758 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_026448.3](#), [NP_080724.2](#)
- RefSeq Size:** 3427 bp
- RefSeq ORF:** 1761 bp
- Locus ID:** 52323
- UniProt ID:** [Q8BUL5](#)
- 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]

Product images:



Circular map for MG218833