

Product datasheet for **MG217680**

Krt33b (NM_013570) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krt33b (NM_013570) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Krt33b
Synonyms: Ha3; Ha4; Krt1-3; mHa3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217680 representing NM_013570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCATACAACTGCTGCCTGCCGCCATGAGCTGCCGCACCAGCTGCTCTTCCCGGCCCTGCGTGCCCC
 CCAGCTGCCATGGCTGCACCCTGCCCGGGGCTGCAACATCCCGCCAATGTGGGCAACTGCAATTGGTT
 CTGTGAGGGCTCCTTCAATGGCAATGAGAGGGAGACCATGCAGTTCCTGAATGACCGCTGGCCTCCTAT
 ATGGAGAAGGTGAGGCAGCTGGAGAGAGAATGCAGAGCTGGAATGTAAGATCCAAGAGAGGAACCAGC
 AGCAGGACCCCTGGTGTGTCCTGCCTACCAGGCTACTTCAGGACCATGAGGAGCTGCAGCAGAAGAT
 TCTCTGTGGCAAGTCTGAGAACGGCAGGCTGGTGGTGCAGATCGACAATGCCAAGCTGGCTGCTGATGAC
 TTCAGGACCAAGTATGAGTCAGAGCTGTCCCTGCGGCAGCTGGTGGAGTCAGACCTCAATGGCCTGCGCA
 GGATCCTGGACGAACTGACCCTCTGCAAGTCTGATCTGGAGGCACAGGTGGAGTCCCTGAGGCAGGAGCT
 GCTGTGTCTCAAGCAAAACCATGAGGAGGAAGTCAACACCCTGCGCTGCCAGCTTGAGACCCGCTCAAC
 GTAGAGGTGGACGCTGCTCCACCGTGGACCTGAACCGAGTGTCAACGAGACCAAGTGTGAGTACGAGG
 CCCTGGTGGAAACCAACCGCCGGGAAGTGGAGGAATGGTTCACCACACAGACAGAGGAGCTGAACAAGCA
 GGTGGTGTCTAGCTCAGAGCAGCTGCAGTCTGCCAGGCAGAGATCATCGAGCTGAGACGCACAGTCAAT
 GCCCTGGAGATCGAGCTGCAGGCCAGCACAGCATGAGAACTCTGGAGAATACCTGGCAGAGAGTG
 AGGCTCGCTACAGCTCTCAGCTGTCCAGGTGCAGTGCCTGATCACCACAGTGGAGTCCCAGCTTGGTGA
 GATCCGGGCTGACCTGGAGCGTCAAGACAGGAGTACCAGGTGTTGCTGGATGTCAAGGCCCGGCTGGAG
 TGTGAGATCAACACGTATAGGGGCTGCTGGAGAGCGAGGACTGCAAGCTGCCCTGCAACCCCTGTGCCA
 CCACCAATGCCTGTGACAAGCCATTGGACCCTGTGTCACAAACCCTTGTGTCACACGCTCCCGATGTGG
 ACCCTGCAATTCCTTTGGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217680 representing NM_013570
 Red=Cloning site Green=Tags(s)

MPYNCCLPAMSCRTSCSSRPCVPPSCHGCTLPGACNIPANVGNCNWFCEGSFNGNERETMQFLNDRLAS
 MEKVRQLERENAELECKIQERNQQDPLVCPAYQAYFRTIEELQKILCGKSENGRLVVQIDNAKLAADD
 FRTKYESELSLRQLVESDLNGLRRILDELTLCKSDLEAQVESLRQELLCLKQNHHEEVNLTLCQLGDRLN
 VEYDAAPTVDLNRVLNETRCQYEALVETNRREVEEWFTTQTEELNKQVVSSEQLQSCQAEIIELRRTVN
 ALEIEIQAQHSRNSLENTLAESEARYSSQLSQVCLITNVESQLGEIRADLERQNYEQVLLDVKARLE
 CEINTYRGLLESEDCKLPCNPCATTNACDKPIGPCVTNPCVTRSRCGPCNSFGC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013570

ORF Size: 1212 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_013570.1](#), [NP_038598.1](#)

RefSeq Size: 1596 bp

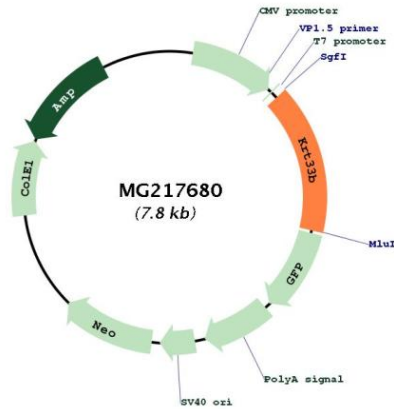
RefSeq ORF: 1215 bp

Locus ID: 16671

UniProt ID: [Q61897](#)

Cytogenetics: 11 63.37 cM

Product images:



Circular map for MG217680