

Product datasheet for **MG220804**

Krt31 (NM_010659) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krt31 (NM_010659) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Krt31
Synonyms: Ha1; Kha1; Krt1-1; MKHA-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220804 representing NM_010659
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCATACAATTGCTGCCTGCCGGCCTGAGCTGCCGCACCAGCTGCTCCTCCCGGCCCTGTGTGCCCC
 CCAGCTGCCATGGCTGCACCCTGCCTGGGGCTGCAACATCCCCGCAATGTGGGCAACTGCAATTGGTT
 CTGTGAGGGCTCCTTCAATGGCAATGAGAAGGAGACCATGCAGTTCCTGAATGACCGCTGGCCTCCTAT
 ATGGAGAAGGTGAGGCAGCTGGAGAGAGAATGCAGAGCTGGAATGTAGGATCCAGGAGAGGAACCAGC
 AGCAGGACCCCTGGTGTGCTCCTACCAGGCTACTTCAGGACCATGAGGAGTTGCAGCAGAAGAT
 CCTGTGCAGAAATCAGAGAATGCCAGGTTGGTGGTGCAGATAGATAATGCCAAGCTGGCTGCAGACGAC
 TTCAGGACCAAGTATGAGACAGAGCTCGGTCTGCGGCAGCTGGTAGAGTCAGACATCAACGGCCTGCGAA
 GGATCTTGGATGAGCTGACCCTGTGCAAGTCTGACCTGGAGGCGCAGGTGGAGTCCCTGAAGGAGGAGCT
 GCTGTGTCTCAAGAGGAACCATGAAGAGGAAGTCAACACCCTACGCTGCCAGCTTGGAGACCGCCTCAAC
 GTGGAGGTGGACGCTGCTCCACCGTGGACCTGAACCGTGTGCTCAACGAGACCAAGTGTAGTACGAGG
 CCATGGTGGAAACCAACCGCCGGAAGTGGAGGAATGGTTCACCACACAGACAGAGGAGCTGAACAAGCA
 GGTGGTGTCCAGCTCAGAGCAGCTGCAGTCTGCCAAGCCGAGATCATCGAGCTGAGACGCACAGTCAAC
 GCCCTGGAGATCGAGCTGCAGGCCAGCACTGCATGAGAACTCTGGAGAACAACCCCTGACAGAGAGTG
 AGGCTCGCTACAGCTCTCAGCTGTCCCAGGTGCAGTGCCTGATCACCACAGTGGAGTCCCAGCTTGGTGA
 GATCCGGGCTGACCTGGAGCGTCAAGACAGGAGTACCAGGTGCTGCTGGATGTCAAGGCCCGGCTGGAG
 TGTGAGATCAACACGTATAGGGGCTGCTGGAGAGCGAGGACTGCAAGCTACCTTGAACCCCTGTGCCA
 CAAGCAATGCATGCGGCAAGCCATTGGGCCCTGCGTCTCCAATCCCTGTGTCCCCTGCCACCCCTGC
 CCCTTGACACCTTGTGTCCCACGTCCCCGCTGTGGCCATGCAACTCCTTTGTACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220804 representing NM_010659
 Red=Cloning site Green=Tags(s)

MPYNCCLPALSCRTSCSSRPCVPPSCHGCTLPGACNIPANVGNCNWFCEGSFNGNEKETMQFLNDRLAS
 MEKVRQLERENAELECRIQERNQQDPLVCPAYQAYFRTIEELQKILCSKSENARLVVQIDNAKLAADD
 FRTKYETELGLRQLVESDINGLRRILDELTLCKSDLEAQVESLKEELLCLKRNHEEEVNTLRCQLGDRLN
 VEYDAAPTVDLNRVLNETRCQYEAMVETNRREVEEWF^TTQTEELNKQVVSSEQLQSCQAEIIELRRTVN
 ALEIEIQAQHCMRNSLENTL^TESEARYSSQLSQVCLITNVESQLGEIRADLERQNEYQVLLDVKARLE
 CEINTYRGLLESEDCKLPCNPCATSNACGKPIGPCVSNPCVPCPPAPCTPCVPRRCGPCNSFVR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010659

ORF Size: 1248 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_010659.2](#), [NP_034789.2](#)

RefSeq Size: 1581 bp

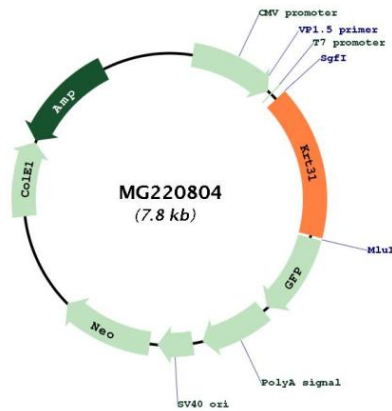
RefSeq ORF: 1251 bp

Locus ID: 16660

UniProt ID: [Q61765](#)

Cytogenetics: 11 63.39 cM

Product images:



Circular map for MG220804