

Product datasheet for **MR220804**

Krt31 (NM_010659) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt31 (NM_010659) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt31
Synonyms:	Ha1; Kha1; Krt1-1; MKHA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220804 representing NM_010659 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATACAATTGCTGCCTGCCGGCCTGAGCTGCCGCACCAGCTGCTCCTCCCGGCCCTGTGTGCCCC
CCAGCTGCCATGGCTGCACCCTGCCTGGGGCTGCAACATCCCCGCAATGTGGGCAACTGCAATTGGTT
CTGTGAGGGCTCCTTCAATGGCAATGAGAAGGAGACCATGCAGTTCCTGAATGACCGCTGGCCTCCTAT
ATGGAGAAGGTGAGGCAGCTGGAGAGAGAATGCAGAGCTGGAATGTAGGATCCAGGAGAGGAACCAGC
AGCAGGACCCCTGGTGTGCTCCTACCAGGCTACTTCAGGACCATGAGGAGTTGCAGCAGAAGAT
CCTGTGCAGAAATCAGAGAATGCCAGGTTGGTGGTGCAGATAGATAATGCCAAGCTGGCTGCAGACGAC
TTCAGGACCAAGTATGAGACAGAGCTCGGTCTGCGGCAGCTGGTAGAGTCAGACATCAACGGCCTGCGAA
GGATCTTGGATGAGCTGACCCTGTGCAAGTCTGACCTGGAGGCGCAGGTGGAGTCCCTGAAGGAGGAGCT
GCTGTGTCTCAAGAGGAACCATGAAGAGGAAGTCAACACCCTACGCTGCCAGCTTGGAGACCGCCTCAAC
GTGGAGGTGGACGCTGCTCCACCGTGGACCTGAACCGTGTGCTCAACGAGACCAAGTGTGAGTACGAGG
CCATGGTGGAAACCAACCGCCGGAAGTGGAGGAATGGTTCACCACACAGACAGAGGAGCTGAACAAGCA
GGTGGTGTCCAGCTCAGAGCAGCTGCAGTCTGCCAAGCCGAGATCATCGAGCTGAGACGCACAGTCAAC
GCCCTGGAGATCGAGCTGCAGGCCAGCACTGCATGAGAACTCTGGAGAACAACCCCTGACAGAGAGTG
AGGCTCGCTACAGCTCTCAGCTGTCCAGGTGCAGTGCCTGATCACCACAGTGGAGTCCCAGCTTGGTGA
GATCCGGGCTGACCTGGAGCGTCAAGACAGGAGTACCAGGTGCTGCTGGATGTCAAGGCCCGGCTGGAG
TGTGAGATCAACACGTATAGGGGCTGCTGGAGAGCGAGGACTGCAAGCTACCTTGAACCCCTGTGCCA
CAAGCAATGCATGCGGAAGCCATTGGGCCCTGCGTCTCCAATCCCTGTGTCCCCTGCCACCCCTGC
CCCTTGACACCTTGTGTCCCACGTCCCCGCTGTGGGCCATGCAACTCCTTTGTACGC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR220804 representing NM_010659
Red=Cloning site Green=Tags(s)

MPYNCCLPALSCRTSCSSRPCVPPSCHGCTLPGACNIPANVGNCNWFCEGSFNGNEKETMQFLNDRASY
 MEKVQRLEENAELECRIQERNQQDPLVCPAYQAYFRTIEELQQKILCSKSENARLVVQIDNAKLAADD
 FRTKYETELGLRQLVESDINGLRRILDELTLCKSDLEAQVESLKEELLCLKRNHEEEVNTLRCQLGDRLN
 VEVDAAPTVDLNRVLNETRCQYEAAMVETNRREVEEWFTTQTEELNKQVVSSEQLQSCQAEIIELRRTVN
 ALEIEIQAQHCMRNSLENTLSEARYSSQLSQVCLITNVESQLGEIRADLERQNEYQVLLDVKARLE
 CEINTYRGLLESEDCKLPCNPCATSNACGKPIGCVSNPCVPCPPAPCTPCVPRPRCGPCNSFVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9075_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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

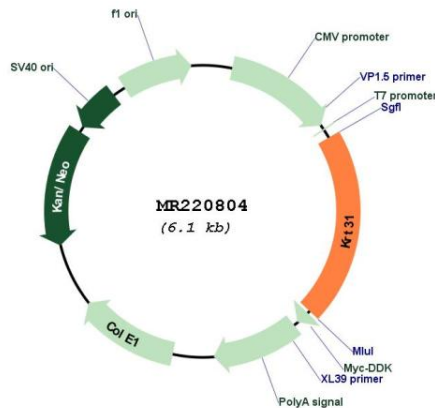
Locus ID: 16660

UniProt ID: [Q61765](#)

Cytogenetics: 11 63.39 cM

MW: 47.1 kDa

Product images:



Circular map for MR220804