

Product datasheet for **MG218605**

Krt81 (NM_001166157) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt81 (NM_001166157) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt81
Synonyms:	AA589625; Krt2-19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218605 representing NM_001166157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCTGTGGATCAGGATTCTGTGGCCGCGCCTTCAGCTGCGCCTCAGCCTGCGGACCCAGGCCCGGCC
 GCTGCTGCATCTCTGCAGCTCCCTACAGGGGCATCTCCTGCTACCGCGGACTCTCAGGGGCTTCGCGCAG
 CCAGAGTGTCTGTGGGGCCTTCCGCTCTGGCTCCTGTGGACGCAGCTTCGGGTACCGCTCTGGAGGCATC
 TGCGGGCCAGCCACCCTGCATCACCACCGTTTCTGTCAATGAGAGCCTGCTCACGCCCTGAACCTGG
 AGATCGACCCCAATGCTCAGTGTGTGAAGCATGAGGAGAAGGAGCAGATCAAGTGTCTCAACAGCAAGTT
 CGCAGCCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACAAGTGTGGAGACCAAGTGGCAGTTC
 TACCAGAACCGCAAGTGTGTGAGAGCAACATGGAGCCTCTGTTTCGAGGGCTACATCGAGGGCTGAGGC
 GGAAGCTGAGTGTGTGGAGGCCGACAGCGGGAGGCTGGCTGCTGAGCTCAACCATGCACAGGAGTCCAT
 GGAGGGCTACAAGAAGAGATACGAGGAGGAAGTTCTCTGAGAGCCACGCGCGAGAATGAGTTTGTGGCT
 CTGAAGAAGGATGTGGACTGTGCCTACCTGCGCAAGTCAGATCTGGAGGCCAACGAGAGGCACTGACCC
 AGGAGACCGACTTCTGAGGAGAATGTATGACGAGGAGACCCGCATCCTCCATCCACATCTCAGACAC
 CTCCATCGTCGTCAGATGGACAACAGCCGGGACCTGAACATGGACTGTGTGCTGGCTGAGATCAAGGCT
 CAGTATGATGACATTGCCAGCCGAGCCGCTGCTGAGGCTGAGTCTGGTACCGCACCAAGTGTGAGGAGA
 TAAAGGCCACAGTGATCCGGCATGGAGAGACTCTGCGCCGACCAGAGAGGAGATCAATGAGCTGAACAG
 AATGATCCAGAGGCTGACTGCTGAGATCGAATGCCAAGTGCCAGAACCAAGCTGGAGGCTGCTGTG
 ACCCAGTCTGAGCAGCAGGGAGAGGCTGCCCTTCTGCTGATGCCCCGCTGCAAGCTGGCTGAGCTGGAGGGTG
 CCCTGCAGAAGGCCAAGCAGGACATGGCCTGCCCTGCTCAAGGAGTACCAGGAGGTGATGAACCTCAAGT
 GGGGCTGGACGTTGAGATCACACCTACAGGCGCCTGCTGGAGGGCGAGGAACAGAGACTGTGTGAAGGT
 GTAGGAGCTGTGAATGTCTGTGTGAGCAGCTCCGAGGAGGAGTGTATGTGGGGACCTGTGTGTGTCAG
 GTTCCAGGCCAGTGATCGGCAGTGCCTGCACGCGCCCCTGCAGCGGGAATTGGCGGTGAACACAGGCT
 GTGCGCACCTGTGGTTCAGCTGTGTCCTGTGGCCGTAATGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218605 representing NM_001166157
 Red=Cloning site Green=Tags(s)

MTCGSGFCGRAFSASACGPRPGRCCISAAPYRGISCYRGLSGGFGSQSVCGAFRSGSCGRSFGYRSGGI
 CGPSPPCITTVSVNESLLTPLNLEIDPNAQCVKHEEKEQIKCLNSKFAAFIDKVRFLQNNKLETKWQF
 YQNRKCCESNMEPLFEGYIEALRREAECVEADSGRLAELNHAQESMEGYKKRYEEVSLRATAENEFVA
 LKKDVDCAYLRKSDLEANAALTQETDFLRRMYDEETRIHSHISDTSIVVKMDNSRDLNMDCVVAEIK
 QYDDIASRSRAEAEESWYRTKCEEIKATVIRHGETLRRRTREEINELNRMIQRLTAEIENAKCQNTKLEAAV
 TQSEQQGEAALADARCKLALELEGALQKAKQDMACLLKEYQEVMSKLGLDVEITTYRRLLEGEEQRLCEG
 VGAVNVCVSSRGGVVCGLDLCVSGSRPVI GSACSAPCSGNLAVNTGLCAPCGSAVSCGRKC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001166157

ORF Size: 1443 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_001166157.1](#), [NP_001159629.1](#)

RefSeq Size: 1857 bp

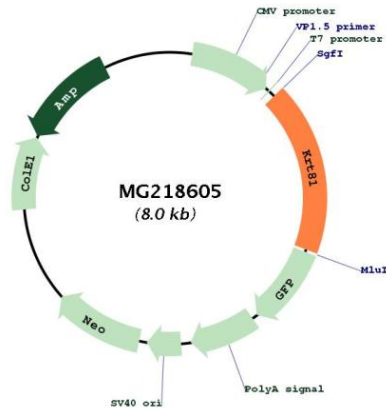
RefSeq ORF: 1446 bp

Locus ID: 64818

UniProt ID: [Q9ERE2](#)

Cytogenetics: 15 56.9 cM

Product images:



Circular map for MG218605