

Product datasheet for **MR224414**

Krt77 (NM_001003667) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt77 (NM_001003667) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt77
Synonyms:	4732484G22Rik; K1emb; Krt239; mK1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224414 representing NM_001003667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGCCGCCAGTTTAGTTCTCAGTCTGCATTTAGCTCGAGGAGCAGGAGGCCCTATAGCTCCAGGTCTT
 CATCAGGCTTTGGAGGTGGGAGACAGGCTCTGGTGTCTGTGAGTCAGTCGAGGAGGTATGGCGGTGATTA
 TGGTGGTGGGTTCACTTCCAGGAGTCTCTACAGTCTGGGTGGTAGTAAAGCATCTTTGGGAACCTAGTG
 GGACGAAGTGCCAGTGGTTTCTGCCAGAGTAGAGGGCCAGGAGGAGATTGGAGGAGGAATCGGAGGAG
 GAATTGGAGGAGGAAGAGGCTTTGGTGGAGGTGGCTTTGGTGGTGGCTATGGCGGAGGTGGCAGATTGG
 AGGTGGTTTTGGGGTGTGGATTTGGATTTGGGGCTTCGGTCTTCTTATCCTCCCGGGGCATCCAT
 GAGGTGACTATTAACAGAGTCTCCTGGAGCCCCTTACCTGGAGGTGGATCCTGAAATTCAGAGGGTCA
 AGACCCAGGAGCGGAACAGATCAAGACCCTCAACAACAAGTTTGCCTCCTTCATTGACAAGGTGCGGTT
 CCTGGAGCAGCAGAACCGGTGTACAGACAAAATGGGAGCTGCTGCAGCAGGTGAACACCTCCACCCGG
 ACCAGCAGCCTGGAGCCAGTCTTCGAGGAGTTCATCAGTCAGCTGCAGAGGCAGGTGGATGTTCTGACCA
 CCGAGCAGTTGCCCAGAACACGGAGATCAGGAACATGCAGGATGTCGTGGAGGACTACAAGAACAAGTA
 TGAGGATGAAATCAACAAGCGGACCAATGCAGAAAATGACTTTGTTGTTCTGAAGAAGGACGTGGATGCT
 GCTTTCATGGGCAATCAGACTTGACAGTCCAAAGTAGACACACTGTATGGGGAGATCAACTTCCTGAAAT
 ATCTATTTGATACGGAGCTGTCCAGATACAAACCCACGTCAGTGATACCAATGTCATCTTGTCAATGGA
 CAATAACCGCTCCCTGGACCTGGACAGCATCATCGATGCCGTACGAGCCAGTATGAAATAATTGCACAG
 AAGAGCAAAGATGAGGCTGAGGCCCTGTACCAGACCAAGTACCAGGAGCTGCAGATTACAGCTGGGAAAC
 ACGGAGACGACCTGAAGAATAGCAAGATGGAGATCTCAGAGCTCAACCGTAACATCCAGAGGCTGCGGGC
 AGAGATCGCCAATATCAAGAAGCAGGTCAAGGGATGCACGGATTGATTCTGATGCGGAGGAGAGAGGA
 GAAAGGGCTCTCCAGAACGCCAAGCAGAAAGCTGCAAGACATGGAAGAGGCCCTCCAGCAGGCTAAGGAGG
 ATCTGGCCAAGCTGCTGAGAGACTACCAGGCAATGCTGGGTGCCAAGCTGTCTTGGACGTAGAGATCGC
 CACCTACCGCCAGCTTTTGGAGGCGAGGAGAGCAGGATGTGGGGGCGCTGCAGAGTCAAGTGAGCATC
 TCGGTGCAGAGTAGCCAGGTGACCATTTGGCGGCGGTGGCGGCGGCTCAGGAAGTTACAGCGGCAGCTCCC
 GCGGAGGCGGTGGTGGCGGCGGAGGAATGGCTCCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGAGTGA
 CGTCTCCAGCAGCAGAACGCCACTAAATATGGCAGCGGCGGCGGCTCTCCCGCACTCAGATCCTGCAG
 ACCTCCACCCACAGCTCGCGTAGGCACGTGGTGGAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224414 representing NM_001003667
 Red=Cloning site Green=Tags(s)

MSRQFSSQSAFSSRRRAYSSRSSSGFGGGRQALVSVSQSRRYGGDYGGGFSSRSLYSLGGSKSIFGNLV
 GRSASGFCQSRGPGGGFGGGIIGGGIIGGGRGFGGGFGGGYGGGGRFGGGFGGAGFGGGFGPSYPPGGIH
 EVTINQSLLEPLHLEVDPEIQRVKTQEREQIKTLNNKFASFIDKVRFLQNNQVLQTKWELLQQVNTSTR
 TSSLEPVFEFISQLQRQVDVLTTEQLRQNTAIRNMQDVVEDYKNKYEDEINKRTNAENDFVVLKKDVDA
 AFMGKSDLQSKVDLYGEINFLKYLFDTELSQLTHVSDTNVILSMDNNRSLDLDSIIDAVRAQYEIIAQ
 KSKDEAEALYQTKYQELQITAGKHGDDLKNSKMEISELNRNIQRLRAEIANIKKQVEGMHGLISDAEERG
 ERALQNAKQKLQDMEEALQAKEDLAKLLRDYQAMLGAKLSLDVEIATYRQLLEGEESRMSGALQSQVSI
 SVQSSQVTIGGGGGSGSYSGSSRGGGGGGGTGSRGGGGGGGSSYVSSRSATKYSGGGSSRTQILQ
 TSTHSSRRHVVE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9093_d07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001003667

ORF Size: 1716 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001003667.2](#)

RefSeq Size: 1719 bp

RefSeq ORF: 1719 bp

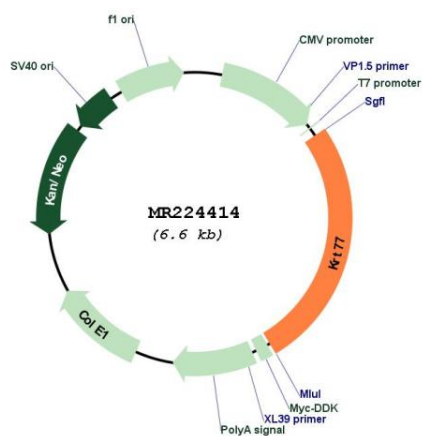
Locus ID: 406220

UniProt ID: Q6IFZ6

Cytogenetics: 15 F2

MW: 61.4 kDa

Product images:



Circular map for MR224414