

Product datasheet for **MR206344**

Krt33a (NM_027983) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krt33a (NM_027983) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Krt33a
Synonyms: 2310015J09Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206344 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATACAACTGCTGCCTGCCGCCATGAGCTGCCGCACCAGCTGCTCTCCAGGCCCTGCGTGCCCC
 CCAGCTGCCATGGCTGCACCCTGCCGGGGCTGCAACATCCCCGCAATGTGGGCAACTGCAATTGGTT
 CTGTGAGGGCTCCTTCAATGGCAATGAGAAGGAGACCATGCAGTTCCTGAATGACCGCTGGCCTCCTAT
 ATGGAGAAGGTGAGGCAGCTGGAGAGAGAATGCAGAGCTGGAATGTAGGATCCAGGAGAGGAACCAGC
 AGCAGGACCCCTGGTGTGTCCTGCCTACCAGGCCTACTTCAGGACCATTGAGGAGCTGCAGCAGAAGAT
 CTTGTGTGGCAAATCTGAGAACGCCAGGCTGGTGTGTCAGATCGACAATGCCAAGCTGGCTTCTGATGAC
 TTCAGGACCAAGTACGAGACAGAGCTTAGTCTGCGGCAGCTGGTAGAGGCTGACATCAACAGCCTGCGCA
 GGATCCTGGATGAGCTGACCCTCTGCAAGTCTGACCTGGAGGCGCAGGTGGAGTCCCTGAAGGAGGAGCT
 GCTCTGCCTCAAGCAGAAATCACGAGCAGGAAGTCAACACCCTGCGCTGCCAGCTTGAGAGCCGCCTCAAC
 GTGGAGGTGGACGCTGCTCCACCGTGGACCTGAACCGAGTACTCAACGAGACCAGGTGTAGTACGAGG
 CCCTGGTGGAAACCAACCGCCGGGAAGTGGAGGAATGGTACACCACACAGACAGAGGAGTTGAACAAGCA
 GGTGGTGTCCAGCTCAGAGCAGCTGCAGTCTGCCAGGCCGAGATCATCGAGCTGAGACGCACAGTCAAT
 GCCCTGGAGATCGAGCTGCAGGCCAGCATGAACTGAGAACTCTGGAGAACAACCCCTGACAGAGAGTG
 AGGCTCGCTACAGCTCCAGCTGTCCAGGTGCAGTGCCTGATCACCAATGTGGAGTCCCAGCTTGGTGA
 GATCCGGGCTGACCTGGAGCGTCAAGACAGGAGTACCAAGTGTGCTGGACATTCGGTCTCGTCTGGAG
 TGTGAGATCAACACGTACAGGGGCTGCTGGAGAGCGAGGACTGCAAGCTCCCTTGAATCCCTGTGCCA
 CAACCAATGCTTGTGATAAGCCATTGGGCCCTGTGTCCCTAACCTTGTGTACACGACCTCGATGTGG
 ACCTTGCAACACTTTTGTGCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206344 protein sequence
Red=Cloning site Green=Tags(s)

MPYNCCLPAMSCRTSCSSRPCVPPSCHGCTLPGACNIPANVGNCNWFCEGSFNGNEKETMQFLNDRLAS
 MEKVRQLERENAELECRIQERNQQDPLVCPAYQAYFRTIEELQKILCGKSENARLVVQIDNAKLASDD
 FRTKYETELSLRQLVEADINSLRRILDELTLCKSDLEAQVESLKEELLCLKQNHQEVNTLRCQLGDRLN
 VEVDAAPTVDLNRVLNETRCQYEALVETNRREVEEWYTTQTEELNKQVVSSEQLQSCQAEIIELRRTVN
 ALEIELQAQHELNSLENTLSEARYSSQLSQVQCLITNVESQLGEIRADLERQNYEQVLLDIRSRLE
 CEINTYRGLLESEDCKLPCNPCATTNACDKPIGPCVNPVCVTRPRCGPCNTFVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027983

ORF Size: 1215 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_027983.3](#)

RefSeq Size: 1679 bp

RefSeq ORF: 1215 bp

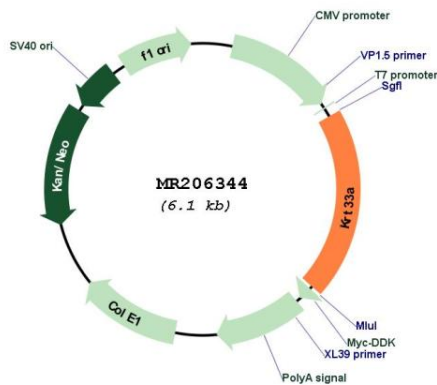
Locus ID: 71888

UniProt ID: [Q8K0Y2](#)

Cytogenetics: 11 D

MW: 46.1 kDa

Product images:



Circular map for MR206344