

Product datasheet for RR215202

Krt34 (NM_001008758) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krt34 (NM_001008758) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Krt34
Synonyms: Ka29; Krt1-4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR215202 representing NM_001008758
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGTGAGTCTTGTCTGCCCGCCCTGAGCTGCCGCACCAGCTGCTCCTCCAGGCCCTGCGTGCCCC
 CCAGCTGCCATGGCTGCACTCTGCCTGGGGTTGCAACATCCCCGCCAATGTGGGCAACTGCAATTGGTT
 CTGTGAGGGCTCCTTCAATGGCAATGAGAAGGAGACCATGCAGTTCCTGAATGACCGCTGGCCTCCTAT
 ATAGAGAAGGTGAGACAGCTGGAGAGAGAATGCAGAGCTGAAAGCAGGATCCAGGAGAGGAGCCAGC
 AGCAGGACCCCTGGTGTGTCCCGCCTATCAGGCCTACTTCAGGACCATTGAGGAGCTGCAGCAGAAGAT
 TCTGTGTGCTAAGTCTGAGAACGCCAGGCTGGTGGTGAAGATTGACAATGCCAAGCTGGCCTCTGACGAC
 TTCAGGACCAAGTACCAGACTGAACTGTCTTGAGGCAGCTGGTGGAGTCAGACATCAACAGTCTGCGCA
 GAATCCTGGACGAGCTGACCCTCTGCAAGTCTGACCTGGAGGCTCAGGTGGAGTCCCTGAGGGAGGAGCT
 GCTGTGTCTCAAGAAGAACCACGAGGAGGAAGTCAACACCCTGCGCTGCCAGCTGGGAGACCCGCTCAAT
 GTGGAGGTGGATGCTGCTCCACTGTGGACCTGAACCGTGTGCTCAATGAGACCAGGTGTGAGTACGAGG
 CCCTGGTGGAAACCAACCGCCGGGAAGTGGAGGAATGGTACACCACACAGACTGAGGAGCTGAACAAGCA
 GGTGGTGTCCAGCTCAGAGCAGCTGCAGTCTGCCAGGCCGAGATCATCGAGCTGAGACGCACAGTCAAT
 GCCCTGGAGATCGAGCTGCAGGCCAGCACAACCTGAGAACTCTGGAGAACAACCCCTGACAGAGAGTG
 AGGCTCGCTACAGCTCCAGCTATCCCAGGTGCAGTGCCTGATCACCACAGTGGAGTCCCAGCTTGGTGA
 GATCCGGGCTGACCTGGAGCGTCAAGACAGGAGTACCAGGTGCTGCTGGACATCCGGTCTCGACTGGAG
 TGTGAGATCAACACATACAGGAGCTGCTGGAGAGCGAGGACTGCAACCTCCCCTGCAACCCATGTGCCA
 CCACCAATGCTAGCGCGGCTGCTGTGGACCTGTGGCAGCTCTCGTTGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR215202 representing NM_001008758
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MSCESCLPALSCRTSCSSRPCVPPSCHGCTLPGACNIPANVGNCNWFCEGSFNGNEKETMQFLNDRLAS
 IEKVRQLERENAELESRIQERSQQDPLVCPAYQAYFRTIEELQKILCAKSENARLVVKIDNAKLASDD
 FRTKYQTELSLRQLVESDINSLRRILDELTLCKSDLEAQVESLREELLCLKKNHEEEVNTLRCQLGDRLN
 VEVDAAPTVDLNRVLNETRCQYEALVETNRREVEEWYTTQTEELNKQVVSSEQLQSCQAEIIELRRTVN
 ALEIELQAQHNLNSLENTLSEARYSSQLSQVQLITNVESQLGEIRADLERQNEQVLLDIRSRLE
 CEINTYRSLLESEDCNLPCNPCATTNASGCGCGPCSSRCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008758

ORF Size: 1173 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_001008758.1](#), [NP_001008758.1](#)

RefSeq Size: 1176 bp

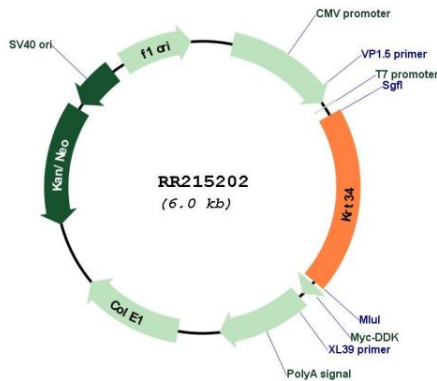
RefSeq ORF: 1176 bp

Locus ID: 303528

Cytogenetics: 10q31

MW: 44.4 kDa

Product images:



Circular map for RR215202