

Product datasheet for **RR216845**

Krt71 (NM_001276440) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Krt71 (NM_001276440) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Krt71 |
| Synonyms: | Krt71 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RR216845 representing NM_001276440
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTCGCCAGTTCACCTGCAAGTCTGGAGCCGCAACAGGGGCTTCAGCGTTGCTCTGCAGTGTCTG
 CCGGGGAAGCTCATCCTCTACCGGCAGGAGGCAAAGGGCTCAGCGGGGCTTTGGCAGTCGGAGTCT
 CTACAGCCTGGGAGGCCAGGAGCATCACTCTCAACATGGCTAGTGGCAGCGGGAAGAACGGAGGTTTT
 GGATTTGGCCGGAACCGAGCCAGCGGCTTTGCCGGAAGTATCTTTGGCAGTGTGGCCCTGGGACCCGTG
 GCCCACTGTGTGCCGCTGGCGGCATCCACCAGGTACAGTCAATGAGAGCCTCCTGGCCCACTCAA
 TGTGGAGTGGACCTGAGATCCAGAAGGTGCGGCCAGGAGAGGGAGCAGATCAAGGCACTGAACAAC
 AAGTTCGCTCCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACCAGGTGCTGGAGACCAAGTGGG
 AGCTGCTGCAGCAGCTGGACCTCAACAACGCAAGAACAACCTGGAGCCATCCTCGAGGGCTACATCAG
 CAACATGCGGAAGCAGCTGGAGACTGTCTGGGACAGAGTGGGCTGGACTCCGAGCTGAGGAACGTG
 CGTGACGTGGTGGAGACTACAAGAAGAAGTACGAGGAGGAGATCAACCGCGGACAGCTGCAGAGAACG
 AGTTTGTGCTGCTGAAGAAGGATGTGGATGCAGCATATGCCAACAGGTGGAAGTGCAGGCTAAGGTGGA
 CACCATGGACCAGGACATCAAATTTCTCAAGTGTCTGTTCAAGCCGAGATGGCTCAGATCCAGTCCCAC
 ATCAGCGACATGTCCGTATCCTGTCCATGGACAACAATAGGAACCTGGACCTGGACAGCATATTGATG
 AGGTCCGGGCCAGTATGAGGAGATCGCCCTGAAGAGCAAGGCTGAGGCTGAGGCCCTGTACCAGACAA
 GTTCCAGGAGCTGCAGCTGGCCGCCGCCCATGGAGACGACCTCAAAAACACCAAAAATGAAATCACC
 GAGCTGACCCGGTTCATCCAGAGACTCCGCTCCGAGATTGAGAATGCAAAGAAACAGGCTTCTAACCTGG
 AGACGGCCATCGCTGACGCTGAGCAGCAGGAGACAGTGTCTCAAGGATGCCCGGCCAAGCTGGATGA
 GCTGGAAGGTGCCCTTCATCAGGCCAAGGAGGAGCTGGCCAGGATGCTGGGTGAATACCAGGAGCTCATG
 AGCCTAAAGCTGGCCCTGGACATGGAGATCGCCACCTACCGCAAGCTGCTGGAGAGCGAGGAGTGCAGGA
 TGTCTGGAGAATACTCTCCCCTGTGAGCATCTCCATTATCAGCAGCACCAGTGGCAGTGGGGGCTATGG
 CTTCCGGCCAGCACAGTCCAGCGTGGCTACGTGGCCAATAGCACTAGCTGCATCTCTGGAGTGTGCAGC
 GTCCGTGGTGGGAGAACAGGAGCAGAGGCAGTCCAGCGACTACAAGGATTCCTAACAAAGGGCTCCA
 GTCTGAGCACCCCTCAAGAAGGTGGCCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216845 representing NM_001276440
 Red=Cloning site Green=Tags(s)

MSRQFTCKSGAGNRGFSGCSAVLSGGSSSYRAGGKLSGGFSGRSLSLGGPRITLNMASGSGKNGGF
 FGGRNRASGFAGSIFGSVALGPVPTVPPGGIHQVTVNESLLAPLNVELDPEIQKVRAQEREQIKALNN
 KFASFIDKVRFLQEQNVLETKWELLQQLDLNCKNNLEPILEGYISNMRKQLETLSGDRVRLDSELRN
 RDVVEDYKKKYEEEEINRRTAENEFVLLKDVDAAYANKVELQAKVDTMDQDIKFFKCLFEAEMAQIQSH
 ISDMSVILSMDNNRNLDSLIDEVRAQYEEIALKSKAEAEALYQTKFQELQLAAGRHGDDLKNTKNEIT
 ELTRFIQRLRSEIENAKQASNLETAIADAEQRGDSALKDARAKLDELEGALHQAKEELARMLREYQELM
 SLKLALDMEIATYRKLLESEECRMSGEYSSPVSISIISSSTSGSGGYGFRPSTVSGGYVANSTSCISGVCS
 VRGGENSRGSASDYKDSLTKGSSLSTPSKKGGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001276440

ORF Size: 1572 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_001276440.1](#), [NP_001263369.1](#)

RefSeq Size: 2154 bp

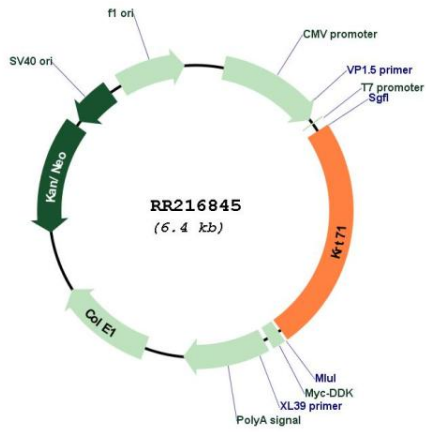
RefSeq ORF: 1575 bp

Locus ID: 683613

Cytogenetics: 7q36

MW: 57.4 kDa

Product images:



Circular map for RR216845