

Product datasheet for **RR201476**

Krt73 (NM_001008808) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt73 (NM_001008808) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt73
Synonyms:	Kb36
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201476 representing NM_001008808
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATCGCCAATTCACCTGCAAGTCTGGAGCTGCCAACAGGGGCTTCAGCGGCTGCTCGGCTGTGCTAT
 CAGGAGGCAGCGCATCCTCCTACCGGGCAGGGGGCAAAGGGCTCGGTGGAGGCTTCAGCAGTCGGAGCCT
 CTACAGCCTGAGGAGTCCCAGGAGCATCTCCTCAACGTGGCTAGTGGCAGCGGGCGCACCGGGGGATAT
 GGGTTTGGCCGAATCGGGCCAGCGGCTTTGCAGGCAGCATGTTTGGCGGTGGGGCTCTGGGGCCTTCAA
 ATCCATCCTGTGCCTGCCTGGAGGCATCCACCAGGTACAGTCAATAAAAGCCTTCTGGCCCCACTCAA
 CGTGGAGCTGGACCCGGAGATCCAGAAGGTGCGCGCCCAAGAGCGGGAGCAGATCAAGGCTCTGAACAAC
 AAGTTCGCTCCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACCAGGTGCTGCAGACCAAGTGGG
 AGCTGCTGCAGCAGCTGGACCTGAGCAACTGCAGGAGAACCTGGAGCCTGTTTACGAGGGCCACATCAG
 CAGCCTGCAAAAGCAGCTGGATTCGCTATCTGGGGACAGGGTGGAGCTGGACTCCGAGCTGAGGGGCATG
 CGGGATGCCGTGGAGGACTGCAAGAAGAGGTATGAAGAAGAAATAACAAGCGCACAACTGCTGAGAATG
 AATTTGTGGTGCTTAAGAAGGATGTGGATGCCGCATACATGAGCAAGGTGGAGCTCCAGGCCAAGGTGGA
 CGCCCTGGATGGAGAGATCAAGTTCCTCAAGTGTCTGTACGAGGGGGAGATTACTCAGATGCAGTCGCAC
 ATAAGCGACACCTCTGTGGTCTCTCCATGGACAACAACCGCAACCTGGACCTGGACAGCATCATCGCTG
 AGGTCCGAGCTCAGTACGAGGACATTGCCCTGAAGAGCAAGGCGGAGGCTGAGATGGTGTACCAGACCAA
 GTTCCAAGAGCTGCAGCTGGCAGCTGGCCGGCATGGAGATGACCTCAAGCACACCAGGAACGAGATCTCT
 GAGTTGACCCGGCTCATCCAGAGACTGCGATCAGAAATGAGAGTGTGAAGAAGCAATGCTCCAATCTAG
 AGACAGCCATTGCTGATGCCGAGCAGGAGGTGACTGTGCCCTCAAGGATGCCAGGCTAAGCTGGATGA
 TTTGGAGAGAGCCCTGCACCAGGCCAAGGAGGAGCTGGCCCGGATGCTGGGTGAGCACAGGAGCTGATG
 AGTATGAAGCTGGCCCTGGACATTGAGATCGCCACCTACCGAAAAGTCTGGAAGGGGAGGAGTGCAGGA
 TGTCTGGAGAACACCAATGCAGTGCAGTATTCGTCATCAGCAGTTCACGACTGGGGCAGTCGGTGC
 CGGGACCAGTTTTGGATTAGTAACCTAGCACCTATGGCTACCGCCGAGTTCTGTAGCTGGGGCTAT
 GGCATACTGTGAGGGGCTGTGTACAGGTAGTGGAACTGCAGTCCCCGTGGAGATACCAAGACCAGAC
 TGGGTAGTGAAGTGAATTAAGGAGGTTTCGGGAAAGACCTGGCTTTGGGCTCACCTCTAAGAAAAC
 CATGAGAGCTGATAGGCAGTCTCTATTTCTGTCCAGCTTTGGTTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201476 representing NM_001008808
 Red=Cloning site Green=Tags(s)

MNRQFTCKSGAANRFGSGSAVLSGGSASSYRAGGKGLGGGFSSRSLYSLRSPRSISFNVASGSGRTGGY
 GFGRNRSAGFAGSMFGGALGPSNPSLCLPGGIHQVTVNSLLAPLNVELDPEIQKVRAQEREQIKALNN
 KFASFDKVRFLQEQNQVLQTKWELLQQLDL SNCRRLNLEPVYEAHISLQKQLDSL SGDRVRLDSELRGM
 RDAVEDCKRYEEEEINKRRTTAENEFVVLKDVDAAYMSKVELQAKVDALDGEIKFLKCLYEGETITQMSH
 ISDTSVVL SMDNNRNL DLSIIAEVRAQYEDIALKSKAEAEVMYQTKFQELQLAAGRHGDDLKHTRNEIS
 ELTRLIQRLRSEIESVKKQCSNLETAIADAEQRGDCALKDAQAKLDDLERALHQAKEELARMLREHQELM
 SMKLALDIEIATYRKLLEGEECRMSGEHTNAVSISVISSTTGAVGAGTSFGFSNPSTYGYRPSVAGGY
 GILSGGCVTGSNGCSPRGDTKTRLGSAEFKEVSGKTLALGSPSKKTMRADRQSSISVQLWFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

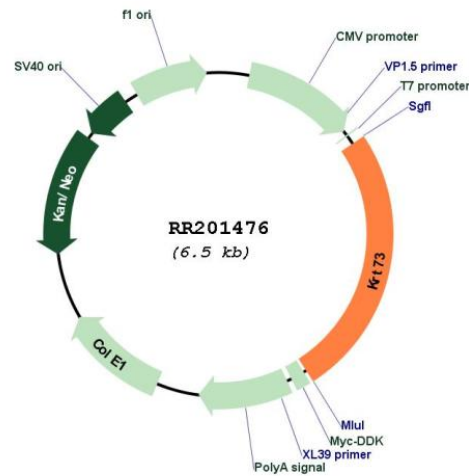
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001008808
ORF Size:	1659 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:	<ol style="list-style-type: none">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_001008808.1 , NP_001008808.1
RefSeq Size:	1662 bp
RefSeq ORF:	1662 bp
Locus ID:	300248
UniProt ID:	Q6IG03
Cytogenetics:	7q36
MW:	60.4 kDa
Gene Summary:	Has a role in hair formation. Specific component of keratin intermediate filaments in the inner root sheath (IRS) of the hair follicle (By similarity).[UniProtKB/Swiss-Prot Function]