

Product datasheet for **RR211881**

Krt77 (NM_001008807) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt77 (NM_001008807) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt77
Synonyms:	Kb39
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR211881 representing NM_001008807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCGCCAGTTCAGTTCTCAGTCTGCATTTAGCTCTAGGAGCAGGAGGTCTATAGCACCAGGTCTT
 CATCAGGCTTTGGGGTGGGAGACAGATTCTGGTGTCTGTGGTCACTCAGGAGGTGTGGAGGTGATTA
 TGGTGGTGGTTCAGTTCCAGGAGTCTCTATAGTCTGGTGGTAGTAAAAGCATCTTTGGGGCCTAGTG
 GGGCGAAGTGCCAGTGGTTTCTGCCAGAGTAGAGGGCAGGAGGAGATTTCGGAGGAGGATTTGGGGGAG
 GAAGAAGCTTTGGTGGAGGTGGCTTTGGGGTGGCTATGGTGGAGGTGCCAGATTTGGAGGTGGTTTGG
 GGGCGATTTGGCACTAGCAATTTGGGCTTGGTGGCTTCGGTCTTCTTATCCTCCCGGGGCATCCAT
 GAGGTGACTGTTAACCAGAGTCTCCTGGAGCCCTTCACCTAGAAGTGGATCCTGAAATTCAGAAGATCA
 AGACCCAGGAGAGGGAGCAGATCAAGACTCTCAACAACAAGTTTGCCTCCTTCATCGACAAGGTGCGCTT
 CCTGGAGCAGCAGAACCGGTGCTGCAGACCAATGGGAGCTGCTGCAGCAGGTGAACACGTCTACTCGG
 ACCAGCAGCCTGGAGCCATCTTTGAGGAGTTCATCAATCAGCTGCAGAGGCAGGTGGATGTTCTGACCA
 ATGAGCAGTTGCCCCAGAACTCAGAGATCAGGAGCATGCAGGATATCGTGGAGGACTACAAGAACAAGTA
 TGAGGATGAGATCAACAACCGACCAATTCAGAGAATGACTTTGTTGTTTTGAAAAGGACGTGGATGCT
 GCTTTCATGGCCAAATCAGACTTGACAGTCCAGAGTGGACACGCTGTACGGGGAGATCAACTTCTGAAAT
 ATCTATTTGATACGGAGCTGCCAGATACAAACCCATGTCAGTGATACCAATGTCATCTTGTCAATGGA
 CAATAACCGCTCCTTGGACTTGGACAGCATCATCAATGCAGTGGCACCCTAATGAATTAATTGCACAG
 AAGAGCAAAGACGAGGCTGAGGCACTGTACCAACCAAGTACCAAGAGCTGCAGATCACAGCTGGCAAAC
 ATGGAGATGACCTGAAGAATAGCAAGATGGAGATCTCAGAGCTTAACCGCAATGCCAGAGGCTGCAGGC
 AGAGATCGCCAAACATCAAGAAGCAGATCGAACAGATGCATGGATCCATTTTCGGATGCAGAGGAGAGGGGA
 GAAAGAGCTCTCCAGGACGCCAAGCAGAAGCTGCAAGAAACGGAAGAGGCCTTGCAGCAGATGAAAGAGG
 ACCTGGCTAGGCTGCTGAGAGATTACCAGGCACTGCTGGGTGCCAAGCTGTCTTGGATGTGGAGATCGC
 CACCTACCGGAGCTTTTGGAGGCGAGGAGAGCAGGATGTCGGGGCTCTGCAGAGTCAAGTGAGCATC
 TGGGCTTTGCCAGCAATGAAGGAAATGATCTTGGTGAACGACTTCACGATCCTCAGTCCAGGTCCCCG
 TTCCTAAACTGGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211881 representing NM_001008807
 Red=Cloning site Green=Tags(s)

MSRQFSSQSAFSSRSRRVYSTRSSSGFGGGRQILVSVGQSRRCGGDYGGGFSSRSLYSLGGSKSIFGGLV
 GRSASGFCQSRGAGGGFGGGFGGGRSFGGGGFGGGYGGGRFGGGFGGGFSTSNFGLGGFSPYPPGGIH
 EVTVNQSLLEPLHLEVDPEIQIKTQEREQIKTLNKFASFIDKVRFLQQNQVLQTKWELLQQVNTSTR
 TSSLEPIFEFQINQLQRQVDVLTNEQLRQNSEIRSMQDIVEDYKNKYEDEINKRTNSENFVVLKDDVDA
 AFMAKSDLQSRVDLTYGEINFLKYLFDTELSQIQTHVSDTNVILSMDNNSLDLDSIINAVRTQYELIAQ
 KSKDEAEALYQTKYQELQITAGKHGDDLKNSKMEISELNRNAQRLQAEIANIKKQIEQMHSISDAEERG
 ERALQDAKQKLQETEEALQQMKEDLARLLRDYQALLGAKLSLDVEIATYRELLEGEESRMSGALQSQVSI
 WALPSNEGNDLGERLHDPQSQVPVPLGCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

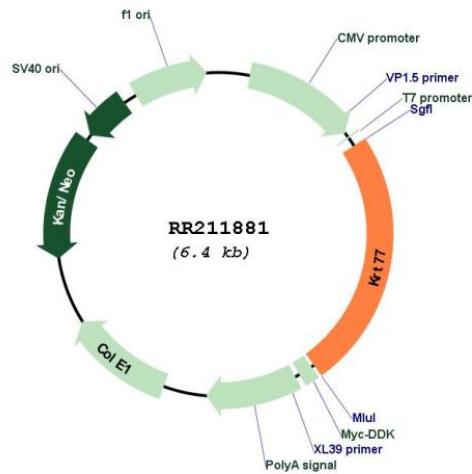
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001008807
ORF Size:	1557 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_001008807.1 , NP_001008807.1
RefSeq Size:	1560 bp
RefSeq ORF:	1560 bp
Locus ID:	406226
UniProt ID:	Q6IG01
Cytogenetics:	7q36
MW:	57.3 kDa
Gene Summary:	predicted to be a member of the keratin family of intermediate filament proteins [RGD, Feb 2006]