

Product datasheet for **MR206870**

Krt20 (NM_023256) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt20 (NM_023256) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt20
Synonyms:	9030623C06Rik; Ck-20; Ck20; K20; Krt21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR206870 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTTCAGTCGTCAAAGTTTTCCACGAAGTCTGAGTTCCTCCTCACAAAGGCCAGCACTCAGCATGA
 ATGGCTCGCTGTATAGGAAGGGGACTGTGCAGCGTCTGGGGGCTGCACCCAGCGTCTATGGTGGGGCTGG
 AGGCCATGGCACTCGCATCTCTGTCTCCAAAGCCGTAATGAGCTACGGGGTGATCTCTCCAACGGATCG
 GACCTGTTGGGGCAATGGGAACTGGCAATGCAGAACCTGAACGACAGATTGGCAAACCTACCTAGAAA
 AAGTGCCTCCCTGGAGCAATCCAATCCAGACTTGAAGCCAGATCAAGCAGTGGTACGAAACCAACGC
 GCCGAGCACCATCCGAGACTATAGCTCCTACTACGCACAGATTAAGAGCTGCAAATCAGGTTAAGGAT
 GCTCAAGTACAAAATGCCAGTGCCTGCAAATGACAATGCTAAGCTGGCTGCAGAGGACTTCAGAT
 TGAAGTTTGGAGCTGAGAGGGGAATGCATATAGCTGTGGAAGCTGATCTCCAAGGCTGAGCAAAGTTTA
 TGATAATCTGACTCTTCAAAGACAGACTTGAAATTCAGATTGAAGAACTGAACAAGGACTGGCCCTC
 CTCAAAAAGGAACATCAAGAGGAAGTTGAGGTTCTTCGCCGCGCAGCTGGGCAACAATGTCAACGTGGAGG
 TGGATGCTGCTCCAGGCCTGAACCTGGGAGAGATCATGAATGAGATGAGACAGAGATATGAAGTCTGGC
 CCAGAAGAACCTGCAAGAGGCCAAAGAACAGTTCGAGAGACAGAGTCAAACCTCTGCAGCAACAAGTCACA
 GTGAACACGGAGGAGCTGAAAGGATTCGAGGTTCAAGTCACGGAGCTGAGACGCACCTACCGAAGCTGG
 AGATAGAGTTGCAGTCCCACCTCAGCATGAAAGAGTCTCTGGAGCGCAACCTAGAGGACGTCAAGGCTCG
 TTACGCCAGCCAGTTGGCAGCCATCCAGGAGATGCTGAGCTCCCTGGAGGCCAACTGATGCAGATCAGG
 AGTGACACAGAACGCCAGAACCAAGAACAACATCCTTCTCGACATAAAGACCCGGCTTGAGCAGGAGA
 TCGCCACCTACCGCCGCTTCTGGAGGGAGAAGATATAAAAACACAGAATACCAGCTGAGCACTTTGGA
 AATGAAGGATATCAAGAAAACCGAAGATTAAGACGGTCTGGAAGAAGTGGTAGACGGCAAGGTCGTG
 TCCTCTGAAGTCAAGGAGATAGAAGAGAGTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206870 protein sequence
 Red=Cloning site Green=Tags(s)

MDFSRRQSFHRSLSSSSQGPALSMNGSLYRKGTVQRLGAAPSVYGGAGGHGTRISVSKAVMSYGGDLNNGS
 DLFGGNGKIAMQNLNDRLANYLEKVRSLERLEAQAQIKQWYETNAPSTIRDYSSYYAQIKELQNQVKD
 AQVQNAQCVLQIDNAKLAEDFRLKFE TERGMHIAVEADLQGLSKVYDNLTLQKTDLEIQIEELNKDLAL
 LKKEHQEEVEVLRRLGNNVNVVEVDAAPGLNLGEMNEMRQRYEVLQKNLQEAKEQFERQSOTLQQQVT
 VNTEELKGFVQVTELRRTYQNLIEIQSHLSMKESLERNLEDVKARYASQLAAIQEMLSSLEAQLMQIR
 SDTERQNEHNIILLDIKTRLEQEIATYRRLLEGEDIKTTEYQLSTLEMKDIKTRKIKTVVEEVVDGKVV
 SSEVKEIEESV

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_023256

ORF Size: 1296 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_023256.1](#), [NM_023256.2](#), [NP_075745.1](#)
RefSeq Size: 1930 bp

RefSeq ORF: 1296 bp

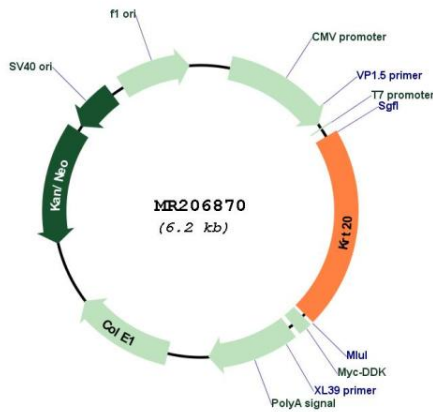
Locus ID: 66809

UniProt ID: [Q9D312](#)
Cytogenetics: 11 D

MW: 49 kDa

Gene Summary: This gene encodes a member of the keratin protein family and is found within a cluster of cytokeratin genes on chromosome 11. Keratins are cytoskeletal proteins that are preferentially expressed in epithelial cells. The encoded protein may help maintain intermediate filament organization in intestinal epithelium. Phosphorylation of this protein may also influence mucin secretion in the small intestine. [provided by RefSeq, Dec 2015]

Product images:



Circular map for MR206870