

Product datasheet for **MR207839**

Krt8 (NM_031170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt8 (NM_031170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt8
Synonyms:	AA960620; AL022697; AU019895; Card2; EndoA; K8; Krt-2.8; Krt2-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207839 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCATCAGGGTGACTCAGAAATCTACAAGATGTCCACCTCCGGTCCCCGGGCTTCAGCAGCCGCT
 CGTTCACGAGTGGACCCGGTGCCCGCATCAGCTCTCCAGCTTTCCCGGGTGGGACGACAGCAGCAGCAG
 CTTCCGGGGAAGCATGGGCACCGCGTGGGTCTGGGCGGCTTTGGCGGGGCTGGTGTGGGGGCATCACA
 GCCGTACCGGTGAACCAGAGCCTGTTGAGCCCCTGAAGCTGGAGGTGGACCCCAACATCCAGGCTGTGC
 GCACTCAGGAGAAGGAGCAGATTAATCCCTGAACAACAAGTTCGCCTCCTTCATTGACAAGGTGCGCTT
 CCTGGAGCAGCAGAACAAGATGCTGGAGACCAAGTGGAGCCTGTTGCAGCAGCAGAAGACGTCGAGGAGC
 AACATGGACAACATGTTTGGAGCTACATCAACAACCTCCGCCGCGAGCTGGAAGCCCTGGGCCAGGAGA
 AGCTGAAGCTGGAGGCTGAGCTTGGCAACATGCAGGGCCTGGTGGAGGACTTCAAGAATAAGTATGAGGA
 TGAGATCAACAAGCGTACAGAGATGGAGAATGAATTTGCCTCATCAAGAAGGATGTGGACGAAGCATA
 ATGAACAAGGTGGAAGTACAGTCCCGCCTGGAAGGACTGACCCAGCAGATCAACTTCCTCCGGCAGATCC
 ATGAAGAGGAGATCCGTGAGTTGAGTCTCAGATCTCAGACACGCTGTGGTGTGTCTATGGACAACAG
 CCGCTCCCTGGACATGGATGGCATCATCGCTGAAGTTCGTGCCAGTACGAGGACATTGCCAATCGCAGC
 CGAGCTGAGGCTGAAACCATGTACCAGATTAAGTATGAGGAATTGCAGACCCTGGCTGGGAAGCAGCGGG
 ATGATCTGCGCCGCACAAAGACAGAGATCTCCGAGATGAACCGCAACATCAACCGCCTGCAGGCGGAGAT
 TGAAGCCCTCAAAGGCCAGAGGGCATCGTTGGAGGCAGCCATCGCTGATGCTGAGCAGCGTGGGGAGATG
 GCCATTAAGGATGCCAGACCAAGCTGGCTGAGCTGGAGGCTGCCCTGCAACGGGCAAGCAGGACATGG
 CCAGGCAGCTGCGCGAGTACCAGGAGCTTATGAACGTCAAGCTGGCCCTGGACATCGAGATCACCACCTA
 CCGCAAGCTGCTGGAGGGGAGGAGAGCAGGCTGGAGTCTGGGATGCAGAACATGAGCATTACACGAAG
 ACCACCAGCGGCTACTCAGGAGGACTGAGTTCATCCTATGGGGGACTCACTAGCCCTGGCTTACGCTACG
 GAATGAGCTCCTTCCAGCCCGGCTTCGGTTCGCGGGGGATCCAACACTTTCAGCCGCACCACCAAGGC
 TGTGGTTGTGAAGAAGATTGAAACCCGAGATGGGAAGCTGGTGTCCGAGTCTTCTGATGTCGTGTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207839 protein sequence
 Red=Cloning site Green=Tags(s)

MSIRVTQKSYKMSTSGPRAFSSRSFTSGPGARISSSFSRVGSSSSSFRGSMGTGVGLGGFGGAVGGIT
 AVTVNQSLLSPLKLEVPNIQAVRTQEKEQIKSLNKNFASFIDKVRFLQNKMLETKWSLLQQQKTSRS
 NMDNMFESYINNLRQLEALGQEKLKLEAELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVDEAY
 MNKVELESRLLEGLTDEINFLRQIHEEEIRELQSQISDTSVVLSDNSRSLDMDGIIAEVRAQYEDIANRS
 RAEAEAMYQIKYEELQTLAGKHGDDLRRTKTEISEMNRNINRLQAEIEALKGQRASLEAAIADAEQRGEM
 AIKDAQTKLAELEAALQRAKQDMARQLREYQELMNVKALDIEITTYRKLLGEEESRLESQMNSIHTK
 TTSYSGGLSSSYGGLTSPGFSYGMSSFPQPGFSAGGSNTFSRTTKAVVVKIETRDGKLVSESSDVVSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_031170

ORF Size: 1473 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_031170.2](#), [NP_112447.2](#)
RefSeq Size: 1805 bp

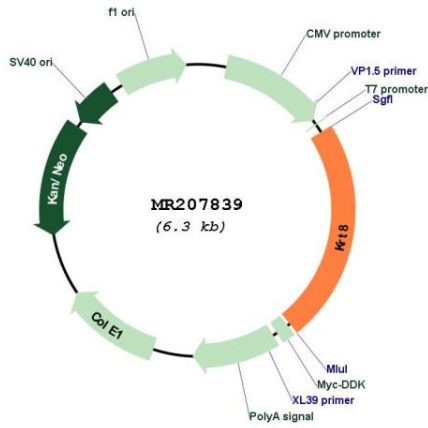
RefSeq ORF: 1473 bp

Locus ID: 16691

UniProt ID: [P11679](#)

Cytogenetics: 15 57.2 cM
MW: 54.6 kDa
Gene Summary: Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207839