

Product datasheet for **MC216771**

Krt8 (NM_031170) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC216771 representing NM_031170
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCATCAGGGTGACTCAGAAATCTACAAGATGTCCACCTCCGGTCCCCGGGCCTTCAGCAGCCGCT
CGTTCACGAGTGGACCCGGTGCCCGCATCAGCTCTCCAGCTTTCCCGGGTGGCAGCAGCAGCAGCAG
CTTCCGGGGAAGCATGGGCACCGCGTGGGTCTGGGCGGCTTTGGCGGGGCTGGTGTGGGGGCATCACA
GCCGTCACGGTGAACCAGAGCCTGTTGAGCCCTTGAAGCTGGAGGTGGACCCCAACATCCAGGCTGTGC
GCACTCAGGAGAAGGAGCAGATTAATCCCTGAACAACAAGTTCGCCTCCTTCATTGACAAGGTGCGCTT
CCTGGAGCAGCAGAACAAGATGTGGAGACCAAGTGGAGCCTGTTGCAGCAGCAGAAGACGTCGAGGAGC
AACATGGACAACATGTTTGGAGCTACATCAACAACCTCCGCCGCGAGCTGGAAGCCCTGGGCCAGGAGA
AGCTGAAGCTGGAGGCTGAGCTTGGCAACATGCAGGGCCTGGTGGAGGACTTCAAGAATAAGTATGAGGA
TGAGATCAACAAGCGTACAGAGATGGAGAATGAATTTGCCTCATCAAGAAGGATGTGGACGAAGCATA
ATGAACAAGGTGGAACAGAGTCCCGCCTGGAAGGACTGACCGAGCAGATCAACTTCCTCCGGCAGATCC
ATGAAGAGGAGATCCGTGAGTTGAGTCTCAGATCTCAGACACGCTGTGGTGTCTATGGACAACAG
CCGCTCCCTGGACATGGATGGCATCATCGCTGAAGTTCGTGCCAGTACGAGGACATTGCCAATCGCAGC
CGAGCTGAGGCTGAAACCATGTACCAGATTAAGTATGAGGAATTGCAGACCCTGGCTGGGAAGCACGGGG
ATGATCTGCGCCGCACAAAGACAGAGATCTCCGAGATGAACCGCAACATCAACCGCCTGCAGGCGGAGAT
TGAAGCCCTCAAAGGCCAGAGGGCATCGTTGGAGGCAGCCATCGCTGATGCTGAGCAGCGTGGGGAGATG
GCCATTAAGGATGCCAGACCAAGCTGGCTGAGCTGGAGGCTGCCCTGCAACGGGCAAGCAGGACATGG
CCAGGCAGCTGCGCGAGTACCAGGAGCTTATGAACGCTCAAGCTGGCCCTGGACATCGAGATCACCACCTA
CCGCAAGCTGCTGGAGGGGAGGAGAGCAGGCTGGAGTCTGGGATGCAGAACATGAGCATTATACGAAAG
ACCACCAGCGGCTACTCAGGAGGACTGAGTTCATCCTATGGGGGACTCACTAGCCCTGGCTTCAGCTACG
GAATGAGCTCCTTCCAGCCCGGCTTCGTTCTGCCGGGGATCCAACACTTTCAGCCGCACCACCAAGGC
TGTGGTTGTGAAGAAGATTGAAACCCGAGATGGGAAGCTGGTGTCCGAGTCTTCTGATGTCGTGTCCAAG
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031170

Insert Size: 1473 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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