

Product datasheet for **MG207839**

Krt8 (BC094009) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt8 (BC094009) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt8
Synonyms:	K8, EndoA, Card2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207839 representing BC094009
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCATCAGGGTGACTCAGAAATCTACAAGATGTCCACCTCCGGTCCCCGGCCTTCAGCAGCCGCT
 CGTTCACGAGTGGACCCGGTGCCCGCATCAGCTCTCCAGCTTTCCCGGGTGGGACGACGACGACGAG
 CTTCCGGGGAAGCATGGGCACCGCGCTGGGCTGGGCGGCTTTGGCGGGGCTGGTGTGGGGGCATCACA
 GCCGTACCGGTGAACCAGAGCCTGTTGAGCCCCTTGAAGCTGGAGGTGGACCCCAACATCCAGGCTGTGC
 GCACTCAGGAGAAGGAGCAGATTAATCCCTGAACAACAAGTTCGCCTCCTTCATTGACAAGGTGCGCTT
 CCTGGAGCAGCAGAACAAGATGCTGGAGACCAAGTGGAGCCTGTTGCAGCAGCAGAAGACGTCGAGGAGC
 AACATGGACAACATGTTTGGAGCTACATCAACAACCTCCGCCGAGCTGGAAGCCCTGGGCCAGGAGA
 AGCTGAAGCTGGAGGCTGAGCTTGGCAACATGCAGGGCCTGGTGGAGGACTTCAAGAATAAGTATGAGGA
 TGAGATCAACAAGCGTACAGAGATGGAGAATGAATTTGCCTCATCAAGAAGGATGTGGACGAAGCATA
 ATGAACAAGGTGGAAGTACAGTCCCGCCTGGAAGGACTGACCCGACGAGATCAACTTCCTCCGGCAGATCC
 ATGAAGAGGAGATCCGTGAGTTGAGTCTCAGATCTCAGACACGCTGTGGTGTGTCTATGGACAACAG
 CCGCTCCCTGGACATGGATGGCATCATCGCTGAAGTTCGTGCCAGTACGAGGACATTGCCAATCGCAGC
 CGAGCTGAGGCTGAAACCATGTACCAGATTAAGTATGAGGAATTGCAGACCCTGGCTGGGAAGCAGCGGG
 ATGATCTGCGCCGCACAAAGACAGAGATCTCCGAGATGAACCGCAACATCAACCGCTGCAGGCGGAGAT
 TGAAGCCCTCAAAGGCCAGAGGGCATCGTTGGAGGCAGCCATCGCTGATGCTGAGCAGCGTGGGGAGATG
 GCCATTAAGGATGCCAGACCAAGCTGGCTGAGCTGGAGGCTGCCCTGCAACGGGCAAGCAGGACATGG
 CCAGGCAGCTGCGCGAGTACCAGGAGCTTATGAACGCTCAAGCTGGCCCTGGACATCGAGATCACCACCTA
 CCGCAAGCTGCTGGAGGGGAGGAGAGCAGGCTGGAGTCTGGGATGCAGAACATGAGCATTCATACGAAG
 ACCACCAGCGGCTACTCAGGAGGACTGAGTTCATCCTATGGGGGACTCACTAGCCCTGGCTTACGCTACG
 GAATGAGCTCCTTCCAGCCCGGCTTCGGTCTGCGGGGGATCCAACACTTTCAGCCGACACCAAGGC
 TGTGGTTGTGAAGAAGATTGAAACCCGAGATGGGAAGCTGGTGTCCGAGTCTTCTGATGTCGTGTCCAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207839 representing BC094009
 Red=Cloning site Green=Tags(s)

MSIRVTQKSYKMSTSGPRAFSSRSFTSGPGARISSSSFVRVSSSSSFRGSMGTGVGLGGFAGVGGIT
 AVTVNQSLLSPLKLEVPNIQAVRTQEKEQIKSLNKFASFIDKVRFLQNKMLETKWLLQQKTSRS
 NMDNMFESYINLRRQLEALGQEKLEAELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKDVDEAY
 MNKVELESRLLEGLTDEINFLRQIHEEEIRELQSQISDTSVVLSDNSRSLDMDGIIAEVRAQYEDIANRS
 RAEAEATMYQIKYEELQTLAGKHGDDLRRTKTEISEMNRNINRLQAEIEALKGQRASLEAAIADAEQRGEM
 AIKDAQTKLAELEAALQRAKQDMARQLREYQELMNVKALDIEITTYRKLLGEEESRLESGMQNMSIHTK
 TTSYSGGLSSSYGGLTSPGFSYGMSSFPQPGFSGAGSNTFSRTTKAVVVKIETRDGKLVSESSDVVSK

TRTRPLE – GFP Tag – V

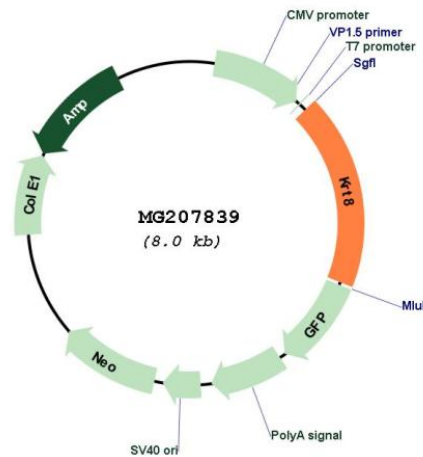
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC094009

ORF Size: 1472 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: [BC094009](#), [AAH94009](#)

RefSeq Size: 1786 bp

RefSeq ORF: 1472 bp

Locus ID: 16691

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]