

Product datasheet for **MR203667**

Crsp8 (BC016537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crsp8 (BC016537) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crsp8
Synonyms:	1500015J03Rik; 2310042P07Rik; AA682045; Crsp8; D2Ertd434e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203667 representing BC016537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCAACAAAGAGACGCTGGAGGGCCGCGAGAAGGCCTTCATCGGAACTTCAGGACAACTTGCATT
 CCGTCAACCGGGACCTCAATGAACTGGAACGTTTGAGCAACCTGGTAGGCAAGCCGTCTGAGAACCACCC
 TCTTCATAACAGTGGGCTGCTAAGCCTGGATCCTGTGCAGGACAAAACCCCACTCTACAGCCAGCTTCTG
 CAAGCATACAAATGGTCCAACAAGCTGCAGTACCATGCAGGTCTAGCGTCTGGCCTTTTGAACCAACAGT
 CCTTGAAGCGCTCTGCAATCAGATGGGTGTGTCTGCCAAGCGGAGACCGAAGGCCAGCCACCACTCT
 GGTCTACCACTCAGTATGTGATGACGTGATCAGCCGATTGACAGAAATGTTTCCAGAGATGTCCATT
 CACTTATCGAGACCCAATGGGACTTCAGCAATGCTTCTGGTGACCTTGGGGAAGGTGTTGAAAGTCATTG
 TGGTCATGAGGAGCCTGTTTCATCGATCGCACGATTGTGAAGGGGTATAATGAGAGCGTCTACACAGAGGA
 TGGAAAGCTGGACATATGGTCCAATCCAGCTACCAAGTGTCCAGAAGGTGACAGACCATGCCACCACT
 GCCCTGCTTCACTATCAGTTACCCAGATGCCAGACGTCGTGGTCAGGTCCTTCATGACCTGGCTGAGAA
 GCTACATTAAGCTGTTCCAGGCCCGTGCCAGCGCTGTGGGAAGTTTCTACAAGATGGCCTTCCCCGAC
 GTGGAGAGACTTCCGAACCCTGGAAGCTTTCATGACACCTGCCGACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR203667 representing BC016537
 Red=Cloning site Green=Tags(s)

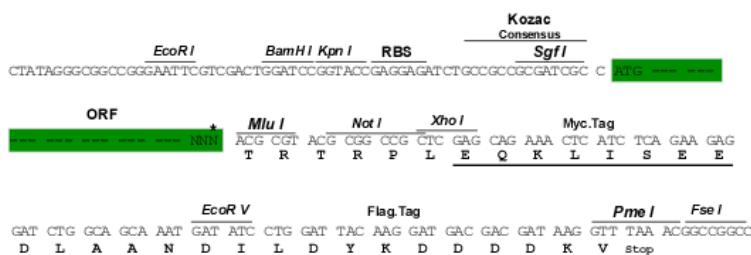
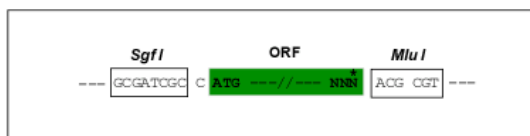
MRNKETLEGREKAFIANFQDNLHVSNRDLNELERLSNLVGKPSENHPLHNSGLLSLDPVQDKTPLYSQLL
 QAYKWSNKLQYHAGLASGLLNQSLKRSANQMGSAKRRPKAQPTTLVLPQYVDDVISRIDRMFPFEMSI
 HLSRPNGTSAMLLVTLGKVLKVIIVMRSLFIDRTIVKGYNESVYTDGKLDIWSKSSYQVFQKVDTHATT
 ALLHYOLPOMDPDVVYRSFMTWLSYIKLFOAPCORCGKFLODGLPPTWRDFRTLEAFHDTCTRO

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC016537

ORF Size: 819 bp

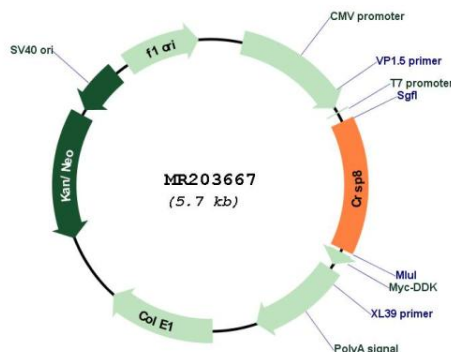
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC016537.1</u>
RefSeq Size:	1265 bp
RefSeq ORF:	821 bp
Locus ID:	68975
Cytogenetics:	2 19.84 cM
MW:	46.3 kDa
Gene Summary:	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203667