

Product datasheet for MR203733

Cbr3 (NM_173047) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Cbr3 (NM_173047) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Cbr3
 Synonyms: 1110001J05Rik; C81353
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR203733 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGTCCTGCAGCCGCGTGCCCTGGTAACTGGGGCTAACAAAGGCATCGGCTTTGCGATCACGCGTG
 ACCTGTGTCGGAAATTCTCCGGGACGTGGTGCTCACGGCGCGGACGAGGCGCGGGCCGCGCGGCGGT
 GCAGCAGCTGCAGGCGGAGGGCCTGAGCCACGCTTCCACCAGCTGGACATCGACGACCCGAGAGCATC
 CGTGCCTGCGCGACTTTCTGCGCAAGGAGTACGGGGACTTAACGTGCTGGTCAACAACGCGGGCATCG
 CCTTTAGAATGGATGACCAACACCCTTCGACATTCAGCTGAGGTGACACTGAAGACGAACTTTTTTGC
 CACTAGAAATGTCTGCACTGAGTTACTGCCTATAATGAAACCACATGGTAGAGTGGTGAACATCAGCAGT
 CTGCAGGGGTTAAAAGCCCTTGAGAACTGCAGGGAAGATCTTCAGGAAAAGTTCCGATGTGACACTTA
 CCGAGGTGGACCTGGTCGACCTCATGAAAAAGTTTGTGGAGGATACAAAAATGAAGTCCATGAGAGGGA
 AGGTTGGCCAGACTCGGCTTACGGGGTGTGCAAGCTGGGGTGACAGTCTTACGAGGATCTGGCCCGG
 CAGCTGGATGAAAAGAGGAAAGCGGACAGGATTCTGCTCAATGCCTGCTGCCCGGATGGGTGAAGACCG
 ACATGGCGAGGGACCAGGGCTCCCGACCGTGAAGAGGGGGCCGAAACCCCGTTTACTTGCTCTCCT
 GCCTCCAGATGCCACTGAACTCACGGCCAGCTAGTCCGTGACAAAGTTGTGCAAAGTTGG

AC**GGCGCCGCT**CGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203733 protein sequence
Red=Cloning site Green=Tags(s)

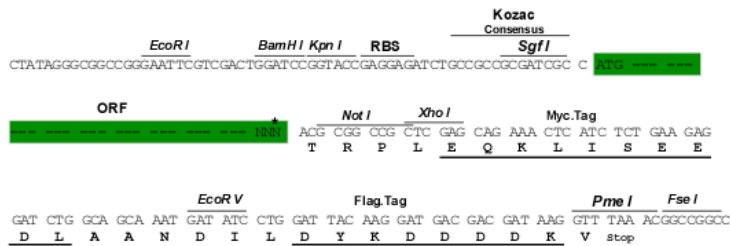
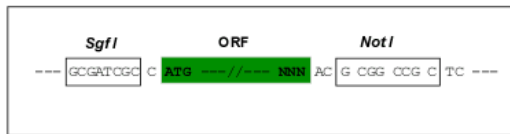
MSSCSRVALVTGANKGIGFAITRDLCRKFSGDVVLARDEARGRAAVQQLQAEGLSPRFHQLDIDDPQSI
 RALRDFLRKEYGGLNVLVNNAGIAFRMDDPTPFDIQAEVTLKTNFFATRNVCTELLPIMKPHGRVVNISS
 LQGLKALENCREDLQEKFRCDTLTEVDLVLMKKFVEDTKNEVHEREGWPD SAYGVSKLGVTVLTRILAR
 QLDEKRRADRILLNACCPGWVKTMARDQGSRTVEEGAETPVYLALLPPDATEPHGQLVRDKVVQTW

TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-NotI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173047

ORF Size: 834 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_173047.3](#)

RefSeq Size: 1178 bp

RefSeq ORF: 834 bp

Locus ID: 109857

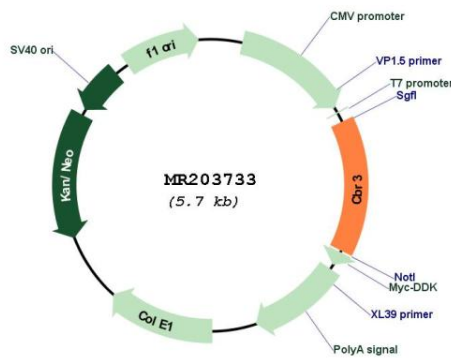
UniProt ID: [Q8K354](#)

Cytogenetics: 16 54.58 cM

MW: 31 kDa

Gene Summary: Has low NADPH-dependent oxidoreductase activity towards 4-benzoylpyridine and menadione (in vitro).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203733