

Product datasheet for **MR202645**

Crp (NM_007768) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crp (NM_007768) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crp
Synonyms:	A1255847
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202645 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGCTACTCTGGTGCCTTCTGATCATGATCAGCTTCTCTCGGACTTTTGGTCATGAAGACATGT
TTAAAAAGGCCTTTGTATTTCCAAGGAGTCAGATACTTCTATGTGTCTCTGGAAGCAGAGTCAAAGAA
GCCACTGAACACCTTTACTGTGTCTCCATTTCTACACTGCTCTGAGCACAGTGCCAGCTTCAGTGTC
TTCTCTTATGCTACCAAGAAGAAGCTCTAACGACATTCTCATATTTTGAATAAGGATAAACAGTACTT
TTGGAGTGGTGGTGTGAAGTACGATTTCATGGTTTCAGAGATTCCTGAGGCTCCAACACACATCTGTGC
CAGCTGGGAGTCTGCTACGGGGATTGTAGAGTTCTGGATTGATGGGAAACCAAGGTGCGGAAAAGTCTG
CACAAGGGCTACACTGTGGGGCCAGATGCAAGCATCATCTTGGGGCAGGACAGGACTCGTATGGCGGTG
ACTTTGATGCAAAGCAGTCTTTGGTGGGAGACATCGGAGATGTGAACATGTGGGATTTTGTGCTATCTCC
AGAACAGATCAACACAGTCTATGTTGGTGGGACACTCAGCCCAATGTTTTGAAGTGGCGGGCACTGAAC
TATAAAGCACAGGGTGTGTGTTTATTAAGCCGCAGCTGTGGTCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202645 protein sequence
Red=Cloning site Green=Tags(s)

MEKLLWCLLIMISFRTFGHEDMFKKAFVFPKESDTSYVLSLEAESKPLNTFTVCLHFYALSTVRSFSV
 FSYATKKNNDILIFWNKDKQYTFGVGGAEVRFMVSEIPEAPTHICASWESATGIVEFWIDGKPKVRKSL
 HKGYTVGPDASIIILGQEQDSYGGDFDAKQSLVGDIGDVMWDFVLSPEQINTVYVGGTLSPNVLNWRALN
 YKAQGDVFIKPLWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_007768

ORF Size: 678 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_007768.2](#)

RefSeq Size: 1698 bp

RefSeq ORF: 678 bp

Locus ID: 12944

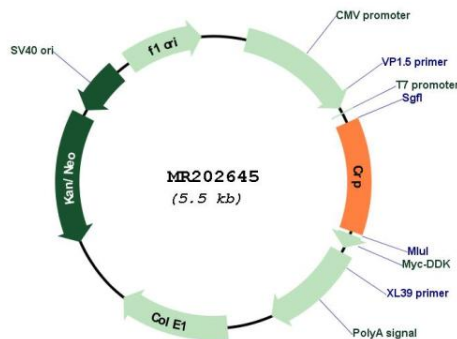
UniProt ID: [P14847](#)

Cytogenetics: 1 80.13 cM

MW: 25.4 kDa

Gene Summary: Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202645