

Product datasheet for MC200928

Crcp (NM_007761) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crcp (NM_007761) Mouse Untagged Clone
Tag: Tag Free
Symbol: Crcp
Synonyms: AL022669
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC012676 sequence for NM_007761
 CCACGCGTCCGGCCGAGGCAGAGCAACATGGAAGTGAAGGATGCGAACGCAGCACTGCTCAGCAACTAT
 GAGGTGTTCCAGTTACTAACGGATCTCAAAGAGCAGCGGAAGGAGTGGGAAGAACAAGCATAGCGCTG
 GGCAGCAGAACTTGAACGCCATCACCTATGAGACTAAAGTACATATCAAAAACACCATGTAGGAACCA
 GAGTCCAGCGATTGTCCAAGAATTCCTCACAGCAATGAAAAGCCACAAGCTGACCAAGCGGAGAAGCTG
 CAGCTGCTGAATCACAGGCCGATGACCGCGGTGGAGATCCAGCTGATGGTAGAAGAGAGTGAAGAACGGC
 TCACAGAGGAGCAGATCGAAGCCCTCCTGCACACTGCTACTAGCATTCTGCCTGCAGGTCCAGAGGATGA
 ACAGAGCAAAAGCACTAGCAATGACGTGGCTATGGAAGAGGAGGCCAGCATAGATGTGCAGCTGGCCA
 AGTTGTTGCGTGAAGCTCAAAGCTGCAGCAGCCATTTCTGGATGTTGAGAGAACTCTTTATTTGGCCTGA
 CCCCTCTCTCAGTATGCCTGATCTCAGGATTTGTTGGGAAAAAAAATCACAAAATAAGATGAAAAGA
 AATCTTTGTGCTTTGGGGTCAGAGCAGGGCAGGGGCTAAGATGGGGGAGCAGGACTGCAGCTGTCTGGGG
 TAGAAAGGCTTGTGTGGCCTGTGCCGCACATGCACACAGTGGGAGCTCGTCAGGCCTTTGATGACTGTT
 GTAGGCAATGTCAGGCACTGCTGGGTAGAATGGAGCTGGGAGAACGGACTCAGATGGTCACCAGCTCTCA
 GAGCTGCACACAGCTGCTTAGGGGAAATGACCCAGAGCTTAGCTCACTGTAGAGGAATGTCCTTGGCGG
 AATAGGAGATAAACTCCAATCTGAGCCTAGCCTGGTGTACACACCTAATGTGCATGCATGTACACACA
 TACAAAGAAATAGTCCAATTTCTGTGGCAAACCCACAACCTCTATAGCCTGGGTGAGTGACAAGAAAAA
 GAGGCTTATCTTGACTCCTGGTCCGGTCCAAGGTCAAAGGCATCTGGATATGGCCCTCTTGTGGCCAG
 AGTACCCAGGTAGCATAGGCTAGCATATTACAAAACACGAGAAGCGTTTGTTCAGAGTCTCTTGCAGC
 CCACATTGACCTTGAATTTATTATGCGGTCCCTTCTGTCTGCTCATCAGACATCTTATGATTCTTCTG
 CCTCAGCCTCCTTAATGCTTGGATTCAAAGTGTATGTCACTCACTTAGGAGGCGGAGGCCAGCCTGGTCC
 ACAAAGCAAGTTCATGCCAGCCAGCGCCACACAGACCCTGTCTCATAAAAATAAAAATAAACCAACAAA
 AAACAGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_007761
Insert Size: 447 bp



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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:	<ol style="list-style-type: none"> 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:	<u>BC012676</u> , <u>AAH12676</u>
RefSeq Size:	1422 bp
RefSeq ORF:	447 bp
Locus ID:	12909
UniProt ID:	<u>O35427</u>
Cytogenetics:	5 G1.3
Gene Summary:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts induce type I interferon and NF- Kappa-B through the RIG-I pathway (By similarity). [UniProtKB/Swiss-Prot Function]