

Product datasheet for MC207252

Crk (NM_133656) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Crk (NM_133656) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Crk |
| Synonyms: | c-Crk; Cr; Crk-I; Crk-II; Crk-III; Crk3; CrkIII; Crko; p38 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC207252 representing NM_133656 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCAACTTCGACTCGGAGGAGCGGAGTAGCTGGTACTGGGGCCGCCTGAGCCGGCAGGAGGCGG
TGGCGCTATTGCAGGGCCAGCGGCACGGGGTGTTCCTGGTGGGGACTCGAGCACCAGCCCCGGGGACTA
TGTGCTTAGCGTCTCCGAAAACCGCGCTCTCCCACTACATCATCAACAGCAGCGGCCCGCCCTCCA
GTGCTCCGTCGCCCCGCTCAGCCTCCGCCGGGAGTGAGTCCCTCCAGGCTCCGAATAGGAGATCAAGAAT
TTGATTCATTGCCTGCTTTACTGGAATTCTACAAAATACACTATTTGGACTACTAACATTGATAGAACC
AGTGGCCAGATCAAGGCAGGGTAGTGGAGTGATTCTCAGGCAGGAGGAGGCAGAGTATGTGCGGGCCCTC
TTTGACTTTAATGGGAATGATGAAGAAGATCTTCCCTTTAAGAAAAGGAGACATCCTGAGAATCCGGGATA
AGCCTGAAGAGCAGTGGTGAATGCAGAGGACAGCGAAGGAAAGAGGGGGATGATTCTGTCCCTTACGT
GGAGAAGTATAGACCTGCCTCCGCCTCAGTATCGGCTCTGATTGGAGGTAACCAGGAGGGTTCCACCCA
CAGCCACTGGGTGGGCCGGAGCCTGGGCCCTATGCCCAACCCAGCGTCAACACTCCGCTCCCTAACCTCC
AGAATGGGCCATTTATGCCAGGGTTATCCAGAAGCGAGTCCCTAATGCCTACGACAAGACAGCCTTGGC
TTTGGAGGTCGGTGAGCTGGTAAAGGTTACGAAGATTAATGTGAGTGGTCACTGGGAAGGGGAGTGAAT
GGCAAACGAGGTCACCTCCCATTCACACATGTCGGTCTGCTGGATCAACAGAATCCCGATGAGGACTTCA
GCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

| | |
|--------------------|-----------|
| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_133656 |



[View online »](#)

| | |
|-------------------------------|--|
| Insert Size: | 915 bp |
| 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: | NM_133656.5 , NP_598417.2 |
| RefSeq Size: | 6005 bp |
| RefSeq ORF: | 915 bp |
| Locus ID: | 12928 |
| UniProt ID: | Q64010 |
| Cytogenetics: | 11 45.92 cM |
| Gene Summary: | <p>This gene is part of a family of adapter proteins that mediate formation of signal transduction complexes in response to extracellular stimuli, such as growth and differentiation factors. Protein-protein interactions occur through the SH2 domain, which binds phosphorylated tyrosine residues, and the SH3 domain, which binds proline-rich peptide motifs. These interactions promote recruitment and activation of effector proteins to regulate cell migration, adhesion, and proliferation. In mouse this protein is essential for embryonic development. Alternatively spliced transcripts encoding different isoforms with distinct biological activity have been described. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (2) includes an alternate segment, compared to variant 1, resulting in a longer protein (isoform 2, also known as CrkII) that has a distinct C-terminus and an additional SH3 domain, compared to isoform 1 (CrkI). Isoform 2 (CrkII) is proposed to have a negative regulatory role. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |