

Product datasheet for **MC208335**

Crkl (NM_007764) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crkl (NM_007764) Mouse Untagged Clone
Tag: Tag Free
Symbol: Crkl
Synonyms: 1110025F07Rik; AA589403; AI325100; Cr; Crkol; snoop
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208335 representing NM_007764
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTCGCCAGGTTTGATTCTTCAGACCGCTCTGCCTGGTACATGGGGCCAGTGACTCGCCAGGAGG
CGCAGACTCGTCTCCAAGGCCAGCGCCATGGCATGTTCTAGTCCGGGACTCATCTACCTGCCCGGGGA
CTATGTACTGTCCGTGTCCGAGAACTCGCGTGTCTCGCACTACATCAACTCCCTGCCAACCCCGCGC
TTTAAGATCGGGGACCAGGAGTTTGACCAATTTGCCGGCCTTGTTAGAGTTCTACAAGATCCACTACCTGG
ACACTACCACCTTAATCGAACCGCGCCAGGTACCCAAGCCACCAGTGGGTTCTGTCTCAGCACCCAA
CTTACCTACAGCAGAAGAAAATCTGGAATATGTACGGACCTTTATGATTTTCTGGGAATGATGCTGAA
GACCTACCCTTTAAAAAGGGCGAGCTTCTAGTGATAATAGAAAAGCCTGAAGAGCAGTGGTGGAGTGCC
GCAACAAGGACGGCCGGTTGGGATGATTCCTGTCCCTTACGTTGAAAAGCTTGTGAGGTCTTCGCCACA
TGGAAAGCATGGAATAGGAATTCTAACAGTTATGGCATCCCAGAACCTGCTCATGCGTATGCTCAACCT
CAGACCACAACCTCTACCTACAGTTGCCAGTACTCCTGGGGCAGCGATCAACCCTTGGCCATCCACAC
AGAATGGACCTGTCTTTGCAAAAGCAATCCAGAAGAGAGTACCTTGTGCTTATGACAAGACTGCCTTGGC
ATTGGAGTTGGTGACATTGTGAAAGTCACAAGGATGAATATCAATGGCCAATGGGAAGCGAGGTGAAT
GGGCGCAAGGGGCTTTCCCTTACACATGTTAAAATCTTTGACCCTCAGAACCCCGATGACAACGAGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007764
Insert Size: 912 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:	NM_007764.5 , NP_031790.2
RefSeq Size:	5050 bp
RefSeq ORF:	912 bp
Locus ID:	12929
UniProt ID:	P47941
Cytogenetics:	16 A3
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 certain mouse genetic backgrounds this protein is essential for embryonic development. It is important for neural crest cell differentiation and survival and is proposed to play an important role in transducing the oncogenic signal of Bcr/Abl. Deletion of this gene in mouse mimics the phenotype of DiGeorge/velocardiofacial syndrome in human. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>