

Product datasheet for **MG204260**

Crk (NM_133656) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crk (NM_133656) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crk
Synonyms:	c-Crk; Cr; Crk-I; Crk-II; Crk-III; Crk3; CrkIII; Crko; p38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204260 representing NM_133656 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAACTTCGACTCGGAGGAGCGGAGTAGCTGGTACTGGGGCCGCTGAGCCGGCAGGAGGCGG
TGGCGCTATTGCAGGGCCAGCGGCACGGGGTGTTCCTGGTGGGACTCGAGCACCAGCCCCGGGACTA
TGTGCTTAGCGTCTCCGAAAACCGCGCTCTCCACTACATCATCAACAGCAGCGGCCCGCCCTCCA
GTGCTCCGTCGCCCCGCTCAGCCTCCGCCGGGAGTGAGTCCCTCCAGGCTCCGAATAGGAGATCAAGAAT
TTGATTCATTGCCTGCTTACTGGAATTCTACAAAATACACTATTGGACTACAACATTGATAGAACC
AGTGGCCAGATCAAGGCAGGGTAGTGGAGTGATTCTCAGGCAGGGGGAGGCAGAGTATGTGCGGGCCCTC
TTTGACTTTAATGGGAATGATGAAGAAGATCTTCCCTTTAAGAAAAGGAGACATGCTGAGAATCCGGGATA
AGCCTGAAGAGCAGTGGTGAATGCAGAGGACAGCGAAGGAAAGAGGGGGATGATTCTGTCCCTTACGT
GGAGAAGTATAGACAGGCCTCCGCTCAGTATCGGCTCTGATTGGAGGTAACCAGGAGGGTTCCACCCA
CAGCCACTGGGTGGGCCGGAGCCTGGGCCCTATGCCCAACCCAGCGTCAACACTCCGCTCCCTAACCTCC
AGAATGGGCCATTTATGCCAGGGTTATCCAGAAGCGAGTCCCTAATGCCTACGACAAGACAGCCTTGGC
TTTGGAGGTCGGTGAGCTGGTAAAGGTTACGAAGATTAATGTGAGTGGTCACTGGAAGGGGAGTGAAT
GGCAAACGAGGTCACTTCCATTACACATGTCGGTCTGCTGGATCAACAGAATCCCGATGAGGACTTCA
GC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204260 representing NM_133656
 Red=Cloning site Green=Tags(s)

MAGNFDSEERSSWYWGRLSRQEAVALLQGQRHGVFLVRDSTSPGDYVLSVSENSRVSHYIINSSGPRPP
 VPPSPAQPPPGVSPSRLRIGDQEFDSL PALLEFYKIHLYD TTTLIEPVARSRQSGVILRQGEAEYVRAL
 FDFNGNDEEDLPFKKGDMLRIRDKPEEQWNAEDSEGKRGMI PVPYVEKYRQASASVSALIGGNQEGSHP
 QPLGGPEPGPYAQPSVNTPLPNLQNGPIYARVIQKRVPNAYDKTALALEVGELVKVTKINVSGQWEGECN
 GKRGHFFTHVRLLDQQNPDEDFS

TRTRPLE - GFP Tag - V

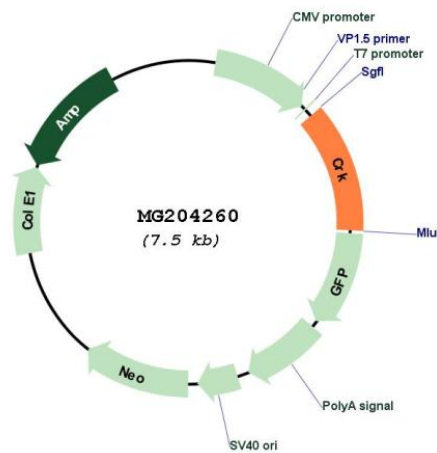
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_133656

ORF Size: 912 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:	<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_133656.1
RefSeq Size:	3621 bp
RefSeq ORF:	915 bp
Locus ID:	12928
UniProt ID:	Q64010
Cytogenetics:	11 45.92 cM
Gene Summary:	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]