

Product datasheet for **SC116881**

CRKL (NM_005207) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRKL (NM_005207) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRKL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116881 sequence for NM_005207 edited (data generated by NextGen Sequencing)

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ATGTCCTCGCCAGGTTGACTCCTCGGACCGCTCCGCCTGGTATATGGGGCCGGTGTCT
CGCCAGGAGGCGCAGACCCGGCTCCAGGGCCAGCGCCACGGTATGTTCTCGTCCGCGAT
TCTTCCACCTGCCTGGGACTATGTGCTGTCCGGTGTCCGAGAACTCGCGGGTCTCCAC
TACATCATCAACTCGCTGCCAACC GCCGTTTTAAGATCGGGGACCAGGAATTTGACCAT
TTGCCGGCCCTGCTGGAGTTTTACAAGATCCACTACCTGGACACCACCCTCATCGAG
CCTGCGCCAGGTATCCAAGCCCAATGGGATCTGTCTCAGCACCCAACTGCCTACA
GCAGAAGATAACCTGGAATATGTACGGACTCTGTATGATTTTCTGGGAATGATGCCGAA
GACCTGCCCTTTAAAAAGGGTGAGATCCTAGTGATAATAGAGAAGCCTGAAGAACAGTGG
TGGAGTGCCCGGAACAAGGATGGCCGGTTGGGATGATTCCTGTCCCTTATGTCGAAAAG
CTTGTGAGATCCTCACCCACCGGAAAGCATGGAATAGGAATTCCAACAGTTATGGGATC
CCAGAACCTGCTCATGCATACGCTCAACCTCAGACCACAACCTCCTACCTGCAGTTTCC
GGTTCTCCTGGGGCAGCAATCACCCCTTGGCCATCCACACAGAATGGACCTGTCTTTGCG
AAAGCAATCCAGAAAAGAGTACCCTGTGCTTATGACAAGACTGCCTTGGCATTAGAGGTT
GGTGACATCGTAAAAGTCACAAGGATGAATATAAATGGCCAGTGGGAAGGCGAAGTGAAC
GGGCGCAAAGGGCTTTCCCTTTACGCACGTCAAATCTTTGACCTCAAACCCAGAT
GAAAACGAGTGA

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Clone variation with respect to NM_005207.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005207 unedited
 NTGTTAGTTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGCTGCCGCTT
 CTCCCCGTCGCCATTTTGTGCTGTGGCTATTGGGAACAAGCTGGGCAAAAGCACCCC
 GGAGGCGCGACGCTCCTTCGAGTTCGGTGCCTCGTGTGACGGCGGGGTTCGGTGAAGACC
 CGTCGAGCTGCGGCGCCGGCGCTTCCAGGCCGGGAGTCACTGGAGGCACCCCTGGGACG
 CCGAGCAGCCCGAGAACCCCGGGTGGCTCCGCTGCGGCTCGGGTTTGCCTGCCCGAC
 CCCCCGGCTCTGCCGTGCATTCGCGGGCGCTCTCTCCGTGTGGCGGCCCGGAGCAGGC
 GGGCGGCGTCGGAGGATGCTGCGGGCCCGAGCCGAGAGGAAAGTGTGGCCAGCCCTC
 TGAGCGCTCCTCGAGGTGTGCGAGAGGCCCTTCCTCGGCCCAAAGCCGTCTGCCGGGT
 AAGGCGTCGAGAGCAGGCGAGGACAGCCGCCGCCCTACCGCCGAGAGTCCCCGGTCCA
 ACACCATGTCCTCGCCAGGTTGACTCCTCGGACCGCTCCGCTGGTATATGGGGCCGG
 TGTCTCGCAGGAGGCGCAGACCCGGCTCCAGGGCCAGCGCCACGGTATGTTCTCGTCC
 GCGATTCTCCACCTGCCCTGNGGACTATGTGCTGTGGTGTCCGAGAATCGCGGGTCT
 CCCACTACATCAACTCGCTGCCAACCGCCGTTTTAAGATCCGGGACCAGGAATTTG
 ACCATTTGCCCGCCCTGCTGGAGTTTTACCAGATCCACTACCTGGACACCACCACCTC
 ATCGAGCCTGCGCCAGGTATCCAAGCCACCATGGGGATCTGTCTCAGCACCCACCTGC
 CTACGNAGAAGATACCTGGAAATGTACGACTCTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005207 unedited
 NNCCCCTTTTANACCAGAATTCCTCTTTCTNAAAGTCACTTCCTGTTGTCCAAANAA
 AAGCAGATGGCAGCTAAGCCACTGCTTTGTGGAACAGCAAACATGCAGTATCTCGCCATG
 GCCTCAAGCTTTCTCTGGTGAACACAACAGAATCAGTCCCATGTACAAACGGGCAGCAAT
 GAGAAGGAAGACCCTTTCCATGTCAACTTCTCTCCACTTGTGTGCTTCCATCAGTATTTT
 CAGTTTTATGATCCAAAAGAACTCTAAAATCGGCTACTCTTTGACAATACGACTATGATA
 AAACATCAGGAGGCGCCGCTGTGTGCATTCAAATGTGTGTGGACTGCCAGTCTGCAG
 AAAGCTGGACTTCGCAATGCAGTGTGACTTGCCTATGAGAGAAAATGTTTTCCACTTC
 AAAGGAGACTAGGACAGGCGAGAACAACAAGCAGCAGGAAACAGGGCAACAGCAATCACT
 CGTTTTCATCTGGGTTTTGAGGGTCAAAGATTTTGACGTGCGTAAAGGGGAAAAGCCCTT
 TGCGCCCGTTCACTTCGCCTTCCACTGGCCATTTATATTCATCCTTGTGACTTTCACGA
 TGTACCCACCTAATGCCAAGCAGTCTTGTGATAAGCACAGGGTACTCCTTTCTGGA
 TTGCTTTGCAAAAGACAGGTCCATTCTGTGTGGGATGAAAAGGGGTGAATTGCTGCCCC
 AGGAGAACCCGAAAACCTGCAGGGAAAAGGAGTTTGTGGCTGAAGGTGAACCGATTCTTG
 AACCGGTCTGGGGTCCATTACCGGTGGGATTCTTTTTCCCTGCCTTCCCGGGGGGG
 AGGAACCCCAAACCTTTCCGCCTTAAGGGGACAGGGATTATCCCACCCCGGCTTCTGT
 TGTCCGGGACCTTCCATTGTTTTA

Restriction Sites:

NotI-NotI

ACCN:

NM_005207

Insert Size:

1910 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
Components:	<p>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).</p>
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:	<p>NM_005207.2, NP_005198.1</p>
RefSeq Size:	<p>5235 bp</p>
RefSeq ORF:	<p>912 bp</p>
Locus ID:	<p>1399</p>
UniProt ID:	<p>P46109</p>
Cytogenetics:	<p>22q11.21</p>
Domains:	<p>SH2, SH3</p>
Protein Families:	<p>Druggable Genome</p>
Protein Pathways:	<p>Chemokine signaling pathway, Chronic myeloid leukemia, ErbB signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Regulation of actin cytoskeleton, Renal cell carcinoma</p>
Gene Summary:	<p>This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which has been shown to activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic.[provided by RefSeq, Jan 2009]</p>