

## CRKL cDNA

Catalog Number: ATGD0212

### PRODUCT INFORMATION

---

**Catalog number**

ATGD0212

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_005198.1

**Alternative Names**

CRK like proto-oncogene, adaptor protein, V-crk avian sarcoma virus CT10 oncogene homolog-like

**mRNA Refseq**

NM\_005207.3

**OMIM**

602007

**Chromosome location**

22q11.21

### PRODUCT SPECIFICATION

---

**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

912bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

**CRKL cDNA**

Catalog Number: ATGD0212

CRKL 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.

**DATA****Sequence nucleotides**

```
ATGTCCTCCGCCAGGTTTCGACTCCTCGGACCGCTCCGCCTGGTATATGGGGCCGGTGTCTCGCCAGGAGGCGCAGACCCG
GCTCCAGGGCCAGCGCCACGGTATGTTCTCGTCCGCGATTCTTCCACCTGCCCTGGGGACTATGTGCTGTCCGGTGTCCGA
GAACTCGCGGGTCTCCCACTACATCATCAACTCGCTGCCCAACCGCCGTTTTAAGATCGGGGACCAGGAATTTGACCATTTG
CCGGCCCTGCTGGAGTTTTACAAGATCCACTACCTGGACACCACCACCTCATCGAGCCTGCGCCCAGGTATCCAAGCCCA
CCAATGGGATCTGTCTCAGCACCCAACCTGCCTACAGCAGAAGATAACCTGGAATATGTACGGACTCTGTATGATTTTCCTG
GGAATGATGCCGAAGACCTGCCCTTTAAAAAGGGTGAGATCCTAGTGATAATAGAGAAGCCTGAAGAACAGTGGTGGAGTG
CCCGGAACAAGGATGGCCGGGTTGGGATGATTCCTGTCCCTTATGTCGAAAAGCTTGAGATCCTCACCACACGGAAAGC
ATGGAAATAGGAATTCCAACAGTTATGGGATCCCAGAACCTGCTCATGCATACGCTCAACCTCAGACCACAACCTCCTCTACC
TGCAGTTTCCGGTTCTCCTGGGGCAGCAATCACCCCTTTGCCATCCACACAGAATGGACCTGTCTTTGCGAAAGCAATCCAG
AAAAGAGTACCCTGTGCTTATGACAAGACTGCCTTGGCATTAGAGGTTGGTGACATCGTGAAAGTCACAAGGATGAATATAA
ATGGCCAGTGGGAAGGCGAAGTGAACGGGCGCAAAGGGCTTTTCCCCTTTACGCACGTCAAATCTTTGACCCTCAAACC
CAGATGAAAACGAGTGA
```

**Transaction Sequence**

```
MSSARFDSSD RSAWYMGVPS RQEAQTRLQG QRHGMFLVRD SSTCPGDYVL SVSENSRVSH YIINSLPNRR FKIGDQEFDH
LPALLEFYKI HYLDTTTLLIE PAPRYPSPPM GSVSAPNLPT AEDNLEYVRT LYDFPGNDAE DLPFKKGEIL VIIKPEEQW
WSARNKDGRV GMIPVPYVEK LVRSSPHGKH GNRNSNSYGI PEPAHAYAQP QTTTLPVAVS GSPGAAITPL PSTQNGPVFA
KAIQKRVPCA YDKTALALEV GDIVKVTRMN INGQWEGEVN GRKGLFPFTH VKIFDPQNPD ENE
```