

## Recombinant Human CRKL, His-tagged

Cat. No. CRKL-26624TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CrkL with an N terminal His tag; 323 amino acids with tag, predicted MWt 35.9 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	303 amino acids
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	35.900kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.32% Tris HCl, 10% Glycerol, 0.03% DTT, 0.58% Sodium chloride

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<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHSSGLVPRGSHMSSARFDSSDRSAWYMGPVSRQEAQTRLQGQRH GMFLVRDSSTCPGDYVLSVSENSRVSHYIINSLPNRRFKIGDQEFDHLPALLEFYKIH YLDTTTTLIEPAPRYPSPPMGSVSAPNLPTAEDNLEYVRTLYDFPGNDAE DLPFKKG EILVIIKPEEQWWSARNKDGRVGMIPVPYVEK LVRSSPHGKHGNRNSNSYGIPEP AHAYAQPQTTTLPVAVS GSPGAAITPLPSTQNGPVFAKAIQKRVP CAYDKTALALEV GDIVKVTRMNINGQWEGEVNGRKGLFPFTHVKIFDPQNP D ENE
<b>Sequence Similarities</b>	Belongs to the CRK family. Contains 1 SH2 domain. Contains 2 SH3 domains.

## GENE INFORMATION

<b>Gene Name</b>	CRKL v-crK sarcoma virus CT10 oncogene homolog (avian)-like [ Homo sapiens ]
<b>Official Symbol</b>	CRKL
<b>Synonyms</b>	CRKL; v-crK sarcoma virus CT10 oncogene homolog (avian)-like; v crk avian sarcoma virus CT10 oncogene homolog like; crk-like protein;
<b>Gene ID</b>	1399
<b>mRNA Refseq</b>	NM_005207
<b>Protein Refseq</b>	NP_005198
<b>MIM</b>	602007
<b>Uniprot ID</b>	P46109

<b>Chromosome Location</b>	22q11.21
<b>Pathway</b>	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;
<b>Function</b>	SH3/SH2 adaptor activity; protein binding; protein tyrosine kinase activity; signal transducer activity;

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