

## Recombinant Human CRKL, His-tagged

Cat. No. CRKL-3373H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CRKL protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 35.9 kDa (323aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	CRKL is 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 substitute of the BCR-ABL tyrosine kinase, plays a role in fibroblast transformation by BCR-ABL, and has oncogenic potential.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
<b>Purity</b>	> 90% by SDS - PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MGSSHHHHHH SGLVPRGSH MSSARFDSSD RSAWYMGVPS RQEAQTRLQG QRHGMFLVRD SSTCPGDYVL SVSENSRVSH YIINSLPNRR FKIGDQEFDH LPALLEFYKI HYLDTTTTLIE PAPRYSPPPM GSVSAPNLPT AEDNLEYVRT LYDFPGNDAE DLPFKKGEIL VIEKPEEQW WSARNKDGRV GMIPVPYVEK

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LVRSSPHGKH GNRNSNSYGI PEPAHAYAQP QTTTLPVAVS GSPGAAITPL  
 PSTQNGPVFA KAIQKRVPCA YDKTALALEV GDIVKVTRMN INGQWEDEVN  
 GRKGLFPFTH VKIFDPQNP D ENE.

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Pathways**

Bacterial invasion of epithelial cells; 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; Shigellosis; Signaling by PDGF

## GENE INFORMATION

**Gene Name**

CRKL v-crk sarcoma virus CT10 oncogene homolog (avian)-like [ Homo sapiens ]

**Synonyms**

v-crk sarcoma virus CT10 oncogene homolog (avian)-like; CRKL; crk-like protein; OTTHUMP00000198539; v-crk avian sarcoma virus CT10 oncogene homolog-like

**Gene ID**

1399

**mRNA Refseq**

NM\_005207

**Protein Refseq**

NP\_005198

**MIM**

602007

**UniProt ID**

P46109

**Chromosome**

22q11; 22q11.21

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**Location****Function**

SH3/SH2 adaptor activity; protein binding; protein tyrosine kinase activity; signal transducer activity

**PDB rendering based on 2bzx.**

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