

Recombinant Human CRKL, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
Purity	> 90% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSSARFDSSD RSAWYMGPVS RQEAQTRLQG QRHGMFLVRD SSTCPGDYVL SVSENSRVSH YIINSLPNRR FKIGDQEFDH LPALLEFYKI HYLDTTTTLIE PAPRYSPPPM GSVSAPNLPT AEDNLEYVRT LYDFPGND AE DLPFKKGEIL VIIEKP EEQW WSARNKDGRV GMIPVPYVEK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LVRSSPHGKH GNRNSNSYGI PEPAHAYAQP QTTTLPPLAVS GSPGAAITPL
PSTQNGPVFA KAIQKRVPCA YDKTALALEV GDIVKVTRMN INGQWEGEVN
GRKGLFPFTH VKIFDPQNPDP 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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