

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

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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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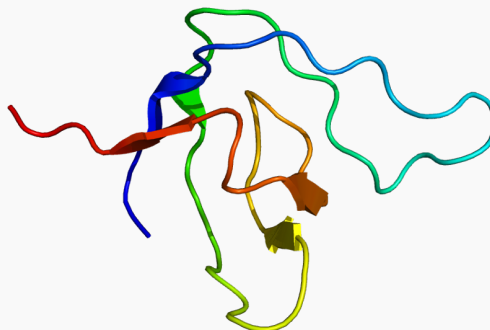
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Location

Function

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

**PDB rendering based
on 2bzx.**



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