

Recombinant Human CRKL, His-tagged

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

SPECIFICATION

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

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMSSARFDSSDRSAWYMGPVS RQEAQTRLQGQRH GMFLVRDSSTCPGDYVLSVSENSRVSH YIINSLPNRRFKIGDQEFDHLPALLEFYKIH YLDTTTLIE PAPRYPSPPMGSVSAPNLPTAEDNLEYVRTLYDFPGND AE DLPFKKG EILVIIKPEEQWWSARNKDGRVGMIPVPYVEK LVRSSPHGKHGNRNSNSYGIPEP AHAYAQPQTTTLP PAVS GSPGAAITPLPSTQNGPVFAKAIQKRVP CAYDKTALALEV GDIVKVTRMNINGQWEGEVNGRKGLFPFTHVKIFDPQNP D ENE
Sequence Similarities	Belongs to the CRK family.Contains 1 SH2 domain.Contains 2 SH3 domains.
GENE INFORMATION	
Gene Name	CRKL v-crk sarcoma virus CT10 oncogene homolog (avian)-like [Homo sapiens]
Official Symbol	CRKL
Synonyms	CRKL; v-crk sarcoma virus CT10 oncogene homolog (avian)-like; v crk avian sarcoma virus CT10 oncogene homolog like; crk-like protein;
Gene ID	1399
mRNA Refseq	NM_005207
Protein Refseq	NP_005198
MIM	602007
Uniprot ID	P46109

Chromosome Location	22q11.21
Pathway	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;
Function	SH3/SH2 adaptor activity; protein binding; protein tyrosine kinase activity; signal transducer activity;

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