

Recombinant Human CRKL, His-tagged

Cat. No. CRKL-6997H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human CRKL was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	CRKL or v-crk sarcoma virus CT10 oncogene homolog (avian)-like is a protein kinase containing SH2 and SH3 (src homology) domains that 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 which plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic. CRKL is also required for normal cellular responses to Fgf8, including survival and migration, Erk activation, and target gene expression.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~39kDa
Purity	>80%
Applications	Western Blot

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Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2µg/µl
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; Chronic myeloid leukemia,

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organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem;

Function

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

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