

## Recombinant Human CRKL, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human CRKL was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</b>	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.
<b>Form</b>	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
<b>Molecular Mass</b>	~39kDa
<b>Purity</b>	>80%
<b>Applications</b>	Western Blot

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<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.2 $\mu\text{g}/\mu\text{l}$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CRKL v-crk sarcoma virus CT10 oncogene homolog (avian)-like [ Homo sapiens ]
<b>Official Symbol</b>	CRKL
<b>Synonyms</b>	CRKL; v-crk sarcoma virus CT10 oncogene homolog (avian)-like; v crk avian sarcoma virus CT10 oncogene homolog like; crk-like protein;
<b>Gene ID</b>	<a href="#">1399</a>
<b>mRNA Refseq</b>	<a href="#">NM_005207</a>
<b>Protein Refseq</b>	<a href="#">NP_005198</a>
<b>MIM</b>	<a href="#">602007</a>
<b>UniProt ID</b>	<a href="#">P46109</a>
<b>Chromosome Location</b>	22q11.21
<b>Pathway</b>	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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