

## Recombinant Mouse Crkl Protein, Myc/DDK-tagged

Cat. No. Crkl-2314M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length v-crk avian sarcoma virus CT10 oncogene homolog-like (Crkl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene is part of a family of adapter proteins that mediate formation of signal transduction complexes in response to extracellular stimuli, such as growth and differentiation factors. Protein-protein interactions occur through the SH2 domain, which binds phosphorylated tyrosine residues, and the SH3 domain, which binds proline-rich peptide motifs. These interactions promote recruitment and activation of effector proteins to regulate cell migration, adhesion, and proliferation. In certain mouse genetic backgrounds this protein is essential for embryonic development. It is important for neural crest cell differentiation and survival and is proposed to play an important role in transducing the oncogenic signal of Bcr/Abl. Deletion of this gene in mouse mimics the phenotype of DiGeorge/velocardiofacial syndrome in human. Alternative splicing results in multiple transcript variants that encode different protein isoforms.</p>
<b>Molecular Mass</b>	33.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	Crkl v-crk avian sarcoma virus CT10 oncogene homolog-like [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Crkl
<b>Synonyms</b>	CRKL; v-crk sarcoma virus CT10 oncogene homolog (avian)-like; crk-like protein; v-crk avian sarcoma virus CT10 oncogene homolog-like; Crkol; AA589403; AI325100; 1110025F07Rik
<b>Gene ID</b>	12929
<b>mRNA Refseq</b>	NM_007764
<b>Protein Refseq</b>	NP_031790
<b>UniProt ID</b>	P47941

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