

Recombinant Mouse Crkl Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	33.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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

GENE INFORMATION

Gene Name	Crkl v-crk avian sarcoma virus CT10 oncogene homolog-like [Mus musculus (house mouse)]
Official Symbol	Crkl
Synonyms	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
Gene ID	12929
mRNA Refseq	NM_007764
Protein Refseq	NP_031790
UniProt ID	P47941

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