

Recombinant Mouse Crk Protein, Myc/DDK-tagged

Cat. No. Crk-2313M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length v-crk avian sarcoma virus CT10 oncogene homolog (Crk), 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 mouse this protein is essential for embryonic development. Alternatively spliced transcripts encoding different isoforms with distinct biological activity have been described.
Molecular Mass	33.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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.

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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 Crk v-crk avian sarcoma virus CT10 oncogene homolog [Mus musculus (house mouse)]

Official Symbol Crk

Synonyms CRK; v-crk sarcoma virus CT10 oncogene homolog (avian); adapter molecule crk; p38; proto-oncogene c-crk; CT-10 related kinase 3; v-crk sarcoma virus CT10 oncogene-like protein; avian sarcoma virus CT10 (v-crk) oncogene homolog; Crk3; Crko; Crk-I; CrkI; Crk-II; CrkIII; Crk-III

Gene ID 12928

mRNA Refseq NM_133656

Protein Refseq NP_598417

UniProt ID Q64010

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