

Recombinant Human CRK, His-tagged

Cat. No. CRK-2854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CRK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. MW = 25.0 kDa (224aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	CRK is a member of signaling adapter protein family that binds to several tyrosine-phosphorylated proteins. This protein is involved in many cellular processes including apoptosis, proliferation, and differentiation. It has a modular domain architecture consisting of an SH2 followed by two SH3 domains (src-homology domains). The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation.
Sequences Of Amino Acids	MGSSHHHHHH SGLVPRGSH MAGNFDSEER SSWYWGRLSR QEAVALLQGQ RHGVFLVRDS STSPGDYVLS VSENSRVSHY IINSSGPRPP VPPSPAQPPP GVSPSRLRIG DQEFDSL PAL LEFYKIH YLD TTTLIEPVS SRQSGVILR QEEAEYVRAL FDFNGNDEED LPFKKGDILR IRDKPEEQWW NAEDSEGKRG MIPVPYVEKY RPASASVSAL IGGR
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol.

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Concentration 0.5 mg/ml (determined by Bradford assay).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [CRK v-crk sarcoma virus CT10 oncogene homolog \(avian\) \[Homo sapiens \]](#)

Synonyms CRK; v-crk sarcoma virus CT10 oncogene homolog (avian); CRKII; adapter molecule crk; p38; proto-oncogene c-Crk; v-crk avian sarcoma virus CT10 oncogene homolog; avian sarcoma virus CT10 (v-crk) oncogene homolog

Gene ID [1398](#)

mRNA Refseq [NM_005206](#)

Protein Refseq [NP_005197](#)

MIM [164762](#)

UniProt ID [P46108](#)

Chromosome Location 17p13.3

Pathway Bacterial invasion of epithelial cells; Chemokine signaling pathway; Chronic myeloid leukemia; ErbB signaling pathway; Fc gamma R-mediated phagocytosis; Focal adhesion; Insulin signaling pathway; MAPK signaling pathway; Neurotrophin signaling pathway; Pathways in cancer; Regulation of actin cytoskeleton; Renal cell carcinoma; Shigellosis

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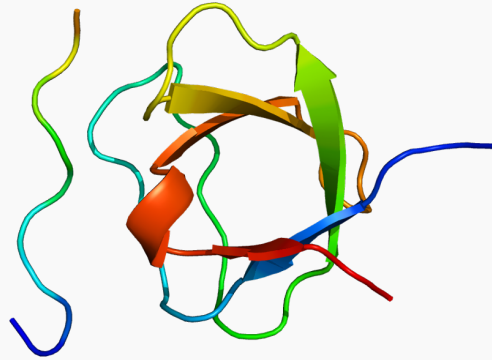
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Function

SH2 domain binding; SH3/SH2 adaptor activity; protein binding; protein phosphorylated amino acid binding



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