

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	MGSSHHHHH SSGLVPRGSH MAGNFDSEER SSWYWGRLSR QEAVALLQGQ RHGVFLVRDS STSPGDYVLS VSENSRVSHY IINSSGPRPP VPPSPAQPPP GVSPSRLRIG DQEFDSL PAL LEFYKIH YLD TTTLIEPVSR SRQGS GVILR QEAEYVRAL FDFNGNDEED LPFKKG DILR IRDKPEEQWW NAEDSEGKRG MIPVPYVEKY RPASASVSAL IGGR
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

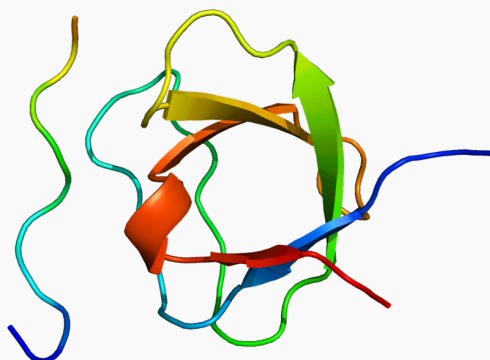
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

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



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA