

Recombinant Human CRK, His-tagged

Cat. No. CRK-27823TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Crk p38 protein with an N terminal His-tag.
Species	Human
Source	E.coli
ProteinLength	224 amino acids
Description	This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. 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. Two alternative transcripts encoding different isoforms with distinct biological activity have been described.
Conjugation	HIS
Molecular Weight	25.000kDa
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMAGNFDSEERSSWYWGRLSRQEAVALLQGQRHG VFLVRDSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVPPSPAQPPPGVSPSRLRIG DQEFDSLPALEFYKIHLYDTTTTLIEPVSRSRQGSGVILRQEEAEYVRALFDFNGNDE EDLPFKKGDILRIRDKPEEQWWNAEDSEGKRGMPVPYVEKYRPASASVSALIGGR
Sequence Similarities	Belongs to the CRK family. Contains 1 SH2 domain. Contains 2 SH3 domains.
GENE INFORMATION	
Gene Name	CRK v-crk sarcoma virus CT10 oncogene homolog (avian) [Homo sapiens]
Official Symbol	CRK
Synonyms	CRK; v-crk sarcoma virus CT10 oncogene homolog (avian); v crk avian sarcoma virus CT10 oncogene homolog; adapter molecule crk;
Gene ID	1398
mRNA Refseq	NM_005206
Protein Refseq	NP_005197
MIM	164762
Uniprot ID	P46108

Chromosome Location	17p13
Pathway	ARMS-mediated activation, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem;
Function	SH2 domain binding; SH3/SH2 adaptor activity; ephrin receptor binding; protein binding; protein phosphorylated amino acid binding;

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