

Recombinant Human CRK, GST-tagged

Cat. No. CRK-11582H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRK protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-264a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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; proto-oncogene c-Crk; p38; CRKII; FLJ38130;
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; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem;
Function	SH2 domain binding; SH3/SH2 adaptor activity; ephrin receptor binding; protein binding; protein phosphorylated amino acid binding;

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