

## Recombinant Human CRK, GST-tagged

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

### SPECIFICATION

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

### GENE INFORMATION

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<b>Gene Name</b>	CRK v-crk sarcoma virus CT10 oncogene homolog (avian) [ Homo sapiens ]
<b>Official Symbol</b>	CRK
<b>Synonyms</b>	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;
<b>Gene ID</b>	1398
<b>mRNA Refseq</b>	NM_005206
<b>Protein Refseq</b>	NP_005197
<b>MIM</b>	164762
<b>UniProt ID</b>	P46108
<b>Chromosome Location</b>	17p13
<b>Pathway</b>	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;
<b>Function</b>	SH2 domain binding; SH3/SH2 adaptor activity; ephrin receptor binding; protein binding; protein phosphorylated amino acid binding;

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