# Recombinant Human CRK, His-tagged

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

## SPECIFICATION

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| **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 |

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

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| **Storage buffer** | Preservative: NoneConstituents: 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** | MGSSHHHHHHSSGLVPRGSHMAGNFDSEERSSWYWGRLSRQEAVALLQGQRHG VFLVRDSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVPPSPAQPPPGVSPSRLRIG DQEFDSLPALLEFYKIHYLDTTTLIEPVSRSRQGSGVILRQEEAEYVRALFDFNGNDE EDLPFKKGDILRIRDKPEEQWWNAEDSEGKRGMIPVPYVEKYRPASASVSALIGGR |
| **Sequence Similarities** | Belongs to the CRK family.Contains 1 SH2 domain.Contains 2 SH3 domains. |

## 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; |
| **Gene ID** | 1398 |
| **mRNA Refseq** | NM_005206 |
| **Protein Refseq** | NP_005197 |
| **MIM** | 164762 |
| **Uniprot ID** | P46108 |

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| **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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