

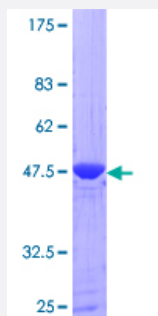
Full-Length

CRK (Human) Recombinant Protein (P01)

Catalog # H00001398-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CRK full-length ORF (NP_005197.3, 1 a.a. - 204 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAGNFDSEERSSWYWGRLSRQEAVALLQGQRHGVFLVRDSSTSPGDYVLSVSENSRVSHYIINS SGPRPPVPPSPAQPPPGVSPSRLRIGDQEFDSLPALEFYKIHLYDTTTLEPVSRSRQGSGVILRQ EEAEYVRALFDFNGNDEEDLPFKKGDILRIRDKPEEQWWNAEDSEGKRGMIIPVPYVEKYRPASA SVSALIGGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.3
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CRK

Entrez GeneID [1398](#)

GeneBank Accession# [NM_005206.3](#)

Protein Accession# [NP_005197.3](#)

Gene Name CRK

Gene Alias CRKII

Gene Description v-crk sarcoma virus CT10 oncogene homolog (avian)

Omim ID [164762](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations avian sarcoma virus CT10 (v-crk) oncogene homolog|v-crk avian sarcoma virus CT10 oncogene homolog|v-crk sarcoma virus CT10 oncogene homolog

Pathway

- [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](#)