

Recombinant Full Length Human CRK Protein, C-Flag-tagged

Cat. No. CRK-1640HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CRK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.7 kDa
AA Sequence	MAGNFDSEERSSWYWGRLSRQEAVALLQGQRHGVFLVRDSSTSPGDYVLSVSEN SRVSHYIINSSGPRPP VPPSPAQPPPGVSPSRLRIGDQEFDSLPALEFYKIHLYLDTT TLIEPVSRSRQGSQVILRQEEAEYVRAL FDFNGNDEEDLPFKKGDILRIRDKPEEQW WNAEDSEGKRGMPVPYVEKYRPASASVSALIGGNQEGSHP QPLGGPEPGPYAQP SVNTPLPNLQNGPIYARVIQKRVPNAYDKTALALEVGELVKVTKINVSGQWEGECN

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	GKRGHFPFTHVRLLDQQNPDEDFSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	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
Full Length	Full L.

GENE INFORMATION

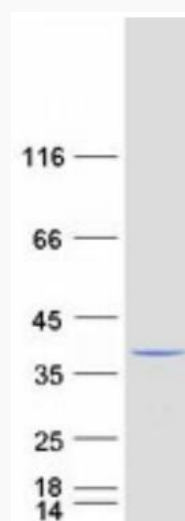
Gene Name	CRK CRK proto-oncogene, adaptor protein [Homo sapiens (human)]
Official Symbol	CRK
Synonyms	p38; CRKII

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Gene ID	1398
mRNA Refseq	NM_016823.4
Protein Refseq	NP_058431.2
MIM	164762
UniProt ID	P46108



Coomassie blue staining of purified CRK protein.