

## Product datasheet for **TP303438L**

### **p38 (CRK) (NM\_005206) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human v-crk sarcoma virus CT10 oncogene homolog (avian) (CRK), transcript variant I, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203438 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAGNFDSEERSSWYWGRLSRQEAVALLQGQRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYIINSSGPRPP VPPSPAQPPPGVSPSRLRIGDQEFDSLPLALLEFYKIHLYLDTTTLIEPVSRSRQSGSVILRQEAEYVRAL FDENGND EEDLPFKKG DILRIRDKPEEQWNAEDSEGKRG MIPVPYVEKYRPASASVSALIGGR  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	22.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005197</a>
Locus ID:	1398
UniProt ID:	<a href="#">P46108</a> , <a href="#">A0A0S2Z3K9</a>



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RefSeq Size: 3055

Cytogenetics: 17p13.3

RefSeq ORF: 612

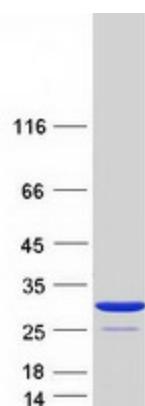
Synonyms: CRKII; p38

**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, Jul 2008]

**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

### Product images:



Coomassie blue staining of purified CRK protein (Cat# [TP303438]). The protein was produced from HEK293T cells transfected with CRK cDNA clone (Cat# [RC203438]) using MegaTran 2.0 (Cat# [TT210002]).