

## Product datasheet for **AR09705PU-S**

### CRK (1-204, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CRK (1-204, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MAGNFDSEER SSWYWGRLSR QEAVALLQGQ RHGVFLVRDS STSPGDYVLS VSENSRVSHY IINSSGPRPP VPPSPAQPPP GVSPSRLRIG DQEFDSL PAL LEFYKIH YLD TTTLIEPVSR SRQGSVILR QEEAEYVRAL FDFNGNDEED LPFKKG DILR IRDKPEEQWW NAEDSEGKRG MIPVPYVEKY RPASASVSAL IGGR
Tag:	His-tag
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CRK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_005197</u>
Locus ID:	1398
UniProt ID:	<u>P46108, A0A0S2Z3K9</u>
Cytogenetics:	17p13.3
Synonyms:	CRKII; p38



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**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:**