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# AR09705PU-N Human CRK (1-204, His-tag) - Purified

**Alternate names:** Adapter molecule crk, Proto-oncogene C-crk, p38

**Quantity:** 50 µg

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Background:** CRK is a member of signaling adapter protein family that binds to several tyrosine-phosphorylated proteins. This protein is involved in many cellular processes including apoptosis, proliferation, and differentiation. It has a modular domain architecture consisting of an SH2 followed by two SH3 domains (src-homology domains). 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.

**Uniprot ID:** P46108

**NCBI:** NP_005197

**GeneID:** 1398

**Species:** Human

**Source:** E. coli

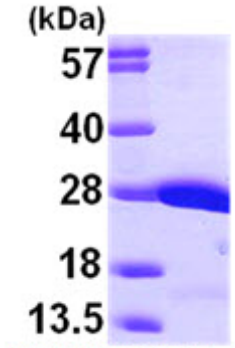
**Format:**
**State:** Liquid purified protein
**Purity:** >95%
**Buffer System:** 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

**Description:** Recombinant human CRK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
**AA Sequence:**
MGSSHHHHHH SSGLVPRGSH MAGNFDSEER SSWYWGRLSR QEAVALLQGQ RHGVFLVRDS STSPGDYVLS VSENSRVSHY IINSSGPRPP VPPSPAQPPP GVSPSRLRIG DQEFDSLPAL LEFYKIHYLD TTTLIEPVSR SRQGSGVILR QEEAEYVRAL FDFNGNDEED LPFKKGDILR IRDKPEEQWW NAEDSEGKRG MIPVPYVEKY RPASASVSAL IGGR
**Molecular weight:** kDa (224aa), confirmed by MALDI-TOF

**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.
Shelf life: one year from despatch.

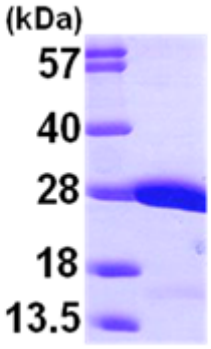
**General Readings:**
Muir TW., et al (2006) Biochemistry. 45(29):8874-84.
Inagaki F., et al. (2007) Nat Struct Mol Biol. 14(6):503-10.

## Pictures:



15% SDS-PAGE (3ug)

Recombinant human CRK, 1-204aa, His-tagged



15% SDS-PAGE (3ug)