

Human CRK Knockdown Cell Lysate

Cat. No. CRK-123HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CRK Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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	Cell-Tissue Lysis buffer
Molecular Mass	34 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CRK KD HeLa cell lysate
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
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CRK v-crk sarcoma virus CT10 oncogene homolog (avian) [Homo sapiens (human)]
Official Symbol	CRK
Synonyms	CRK; v-crk sarcoma virus CT10 oncogene homolog (avian); v crk avian sarcoma virus CT10 oncogene homolog; adapter molecule crk; proto-oncogene c-Crk; p38; CRKII; FLJ38130;
Gene ID	1398
mRNA Refseq	NM_005206
Protein Refseq	NP_005197

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MIM	164762
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UniProt ID	P46108
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