

Human BCAR1 Knockdown Cell Lysate

Cat. No. BCAR1-068HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated BCAR1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a member of the Crk-associated substrate (CAS) family of scaffold proteins, characterized by the presence of multiple protein-protein interaction domains and many serine and tyrosine phosphorylation sites. The encoded protein contains a Src-homology 3 (SH3) domain, a proline-rich domain, a substrate domain which contains 15 repeat of the YxxP consensus phosphorylation motif for Src family kinases, a serine-rich domain, and a bipartite Src-binding domain, which can bind both SH2 and SH3 domains. This adaptor protein functions in multiple cellular pathways, including in cell motility, apoptosis and cell cycle control. Dysregulation of this gene can have a wide range of effects, affecting different pathways, including cardiac development, vascular smooth muscle cells, liver and kidney function, endothelial migration, and cancer.
Form	Cell-Tissue Lysis buffer
Molecular Mass	93 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

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	equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg BCAR1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	BCAR1 breast cancer anti-estrogen resistance 1 [Homo sapiens (human)]
Official Symbol	BCAR1
Synonyms	BCAR1; breast cancer anti-estrogen resistance 1; breast cancer anti-estrogen resistance protein 1; CAS; Cas scaffolding protein family member 1; CASS1; Crk associated substrate; Crkas; P130Cas; Crk-associated substrate p130Cas; CAS1; CRKAS; FLJ12176; FLJ45059;
Gene ID	9564
mRNA Refseq	NM_001170714

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Protein Refseq	NP_001164185
MIM	602941
UniProt ID	P56945

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