

Recombinant Human breast cancer anti-estrogen resistance 1, His-tagged

Cat. No. BCAR1-441H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BCAR1, 465-848aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	465-848 a.a.
Description	BCAR1, or CAS, is an Src family kinase substrate involved in various cellular events, including migration, survival, transformation, and invasion. Recombinant human BCAR1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	43.9kDa (407aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSRLQQGVS ATVAHLLDLA GSAGATGSWR SPSEPQEPLV QDLQAATAAV QSAVHELLEF ARSAVGNAAH TSDRALHAKL SRQLQKMEDV HQTLVAHGQA LDAGRGGSGA TLEDLDRIVA CSRAVPEDAK QLASFLHGNA SLLFRRTKAT APGPEGGGTL HPNPTDKTSS IQSRPLPSP KFTSQDSPDG QYENSEGGWM EDYDYVHLQG KEEFEKTQKE LLEKGSITRQ GKSQLELQQL KQFERLEQEV SRPIDHDLAN WTPAQPLAPG RTGGLGPSDR QLLLFYLEQC EANLTTLTNA VDAFFTAVAT NQPPKIFVAH SKFVILSAHK LVFIGDTLSR QAKAADVRSQ VTHYSNLLCD LLRGIVATTK AAALQYPSPS

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	AAQDMVE
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	BCAR1 breast cancer anti-estrogen resistance 1 [Homo sapiens]
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
Protein Refseq	NP_001164185
MIM	602941
UniProt ID	P56945
Chromosome Location	16q22-q23

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Pathway

B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;

Function

SH3 domain binding; protein binding; protein kinase binding; protein phosphatase binding; signal transducer activity;

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