

Recombinant Human BCAR1, His-tagged

Cat. No. BCAR1-5042H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human BCAR1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	BCAR1, or CAS, is an Src family kinase substrate involved in various cellular events, including migration, survival, transformation, and invasion.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	43.9kDa (407aa)
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSRLQQGVS ATVAHLLDLA GSAGATGSWR SPSEPQEPLV QDLQAAVA AV 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 AAALQYSPSP AAQDMVE</p>
Purity	>85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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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