

Product datasheet for **AR51358PU-S**

BCAR1 / CRKAS (465-848, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	BCAR1 / CRKAS (465-848, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSRLQQGVS ATVAHLLDLA GSAGATGSWR SPSEPQEPLV QDLQAAVA AV QSAVHELLEF ARSAVGNAAH TSDRALHAKL SRQLQKMEDV HQTLVAHGQA LDAGRGGSGA TLEDLRLVA CSRAVPEDAK QLASFLHGNA SLLFRRTKAT APGPEGGTL HPNPTDKTSS IQSRPLPSP KFTSQDSPDG QYENSEGGWM EDYDYVHLQG KEEFEKTQKE LLEKGSITRQ GKSQLELQQL KQFERLEQEV SRPIDHDLAN WTPAQPLAPG RTGGLGPSDR QLLLFYLEQC EANLTTLTNA VDAFFTAVAT NQPPKIFVAH SKFVILSAHK LVFIGDTLSR QAKAADVRSQ VTHYSNLLCD LLRGIVATK AAALQYSPSPS AAQDMVE
Tag:	His-tag
Predicted MW:	43.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BCAR1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001164185
Locus ID:	9564
UniProt ID:	P56945
Cytogenetics:	16q23.1
Synonyms:	CAS; CAS1; CASS1; CRKAS; P130Cas



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Summary:

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. [provided by RefSeq, Sep 2017]

Protein Families:

Druggable Genome

Protein Pathways:

Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton

Product images: