

# Recombinant Full Length Human BCAR1 Protein, C-Flag-tagged

**Cat. No.** BCAR1-1108HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human BCAR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	93.2 kDa
<b>AA Sequence</b>	MNHLNVLAKALYDNVAESPDELSFRKGDIMTVLEQDTQGLDGWWLCSLHGRQGIVP

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GNRLKILVGM YDKK PAGPGSGPPATPAQPQPGLHAPAPPASQYTPMLPNTYQPQP  
DSVYLVPTPSKAQQGLYQVPGPSPQFQSP PAKQTSTFSKQTPHHPFPNPATDLYQ  
VPPGPGGPAQDIYQVPPSAGMGHDIYQVPPSMDTRSWEGTKPPA KVVVPTRVGQ  
GYVYEAQAQPEQDEYDIPRHLLAPGPQDIYDVPPVRGLLPSQYGQEVYDTPPMAVKG  
PNGR DPLLEVYDVPPSVEKGLPPSNHHAVYDVPPSVSKDVPDGP LLREETYDVPPA  
FAKAKPFDPARTPLVLA A PPPDSPPAEDVYDVPPPAPDLYDVPPGLRRPGPGTLYD  
VPRERVLPEVADGGVVDSGVYAVPPPAEREA PAEGKRLSASSTGSTRSSQSASS  
LEVAGPGREPLELEVAVEALARLQQGVSATVAHLLDLAGSAGATGSW RSPSEPQE  
PLVQDLQAAVA AVQS AVHELLEFARS AVGNA AHTSDRALHAKLSRQLQK MEDVHQT  
LVAHGQ ALDAGRGGSGATLEDLDR LVACSRAVPEDAKQLASFLHGNASLLFRRTKA  
TAPGPEGGGTLHPNPTDKTS SIQSRPLPSPPKFTSQDSPDGQYENSEGGWMEDY  
DYVHLQGKEEF EKTQKELLEKGSITRQGKSQLELQQ LKQFERLEQEVSRPIDHDLA  
NWTPAQPLAPGRTGGLGPSDRQLLLFYLEQCEANL TLTNAVD AFFTAVA TNQPPK  
IFVAHSK FVILSAHKL VFIGD TLSRQAKA ADVRSQVTHYSNLLCDLLRGIVATTKAAAL  
QYPS P  
SAAQDMVERVKELGHSTQQFRRVLGQLAAATRTRPLEQKLISEEDLAANDILDYKDD  
DDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	BCAR1 BCAR1 scaffold protein, Cas family member [ Homo sapiens (human) ]
<b>Official Symbol</b>	BCAR1
<b>Synonyms</b>	CAS; CAS1; CASS1; CRKAS; P130Cas
<b>Gene ID</b>	9564
<b>mRNA Refseq</b>	NM_014567.5
<b>Protein Refseq</b>	NP_055382.2
<b>MIM</b>	602941
<b>UniProt ID</b>	P56945

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