

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

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

SPECIFICATION

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

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GNRLKILVGM YDKK PAGPGSGPPATPAQPQGLHAPAPPASQYTPMLPNTYQPQP
 DSVYLVPTPSKAQQGLYQVPGPSPQFQSP PAKQTSTFSKQTPHHFPNPATDLYQ
 VPPGPGGPAQDIYQVPPSAGMGHDIYQVPPSMDTRSWEGTKPPA KVVVPTRVGQ
 GYVYEEAAQPEQDEYDIPRHLLAPGPQDIYDVPPVRGLLPSQYGQEVYDTPPMAVKG
 PNGR DPLLEVYDVPPSVEKGLPPSNHHAVYDVPPSVSKDVPDGP LLREETYDVPPA
 FAKAKPFDPARTPLVLAA PPPDSPPAEDVYDVPPPAPDLYDVPPGLRRPGPGTLYD
 VPRERVLPPEVADGGVVD SGVYAVPPPAEREA PAEGKRLSASSTGSTRSSQSASS
 LEVAGPGREPLELEVAVEALARLQQGVSATVAHLLDLAGSAGATGSW RSPSEPQE
 PLVQDLQA AAVQSAVHELLEFARS AVGNA AHTSDRALHAKLSRQLQK MEDVHQT
 LVAHGQ ALDAGRGGSGATLEDLDR LVACSRAPEDAKQLASFLHGNASLLFRRTKA
 TAPGPEGGGTLHPNPTDKTS SIQSRPLSPPKFTSQDSPDGQYENSEGGWMEDY
 DYVHLQGKEEF EKTQKELLEKGSITRQGKSQLELQQ LKQFERLEQEVSRPIDHDLA
 NWTPAQPLAPGRTGGLGPSDRQ LLLFYLEQCEANLTTLTNAVDAFFTAVA TNQPPK
 IFVAHSKFVILSAHKL VFIGDTLSRQAKAADVRSQVTHYSNLLCDLLRGIVATTKAAAL
 QYPSP
 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.

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

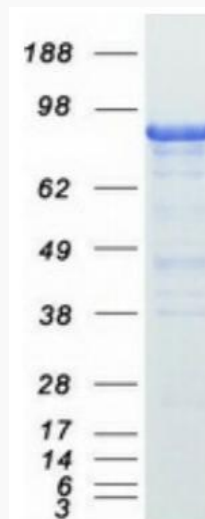
GENE INFORMATION

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

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Coomassie blue staining of purified BCAR1 protein.

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