
Product Data Sheet

Product Name: BCAR1 Human
 Cat. No.: GP22844
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CAS; CAS1; CASS1; CRKAS; P130Cas; Breast cancer anti-estrogen resistance protein 1; CRK-associated substrate; Cas scaffolding protein family member 1; BCAR1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSRLQQGVS ATVAHLLDLA GSAGATGSWR SPSEPQEPLV QDLQA AVAAV QSAVHELLEF ARSAVGNAAH TSDRALHAKL SRQLQKMEDV HQTLVAHGQA LDAGRGGSGA TLEDLDR LVA CSRAVPEDAK QLASFLHGNA SLLFRRTKAT APGPEGGGTL HPNPTDKTSS IQSRPLPSPP KFTSQDSPDG QYENSEGGWM EDYDYVHLQG KEEFEKTQKE LLEKGSITRQ GKSQLELQQL KQFERLEQEV SRPIDHDLAN WTPAQPLAPG RTGGLGPSDR QLLLFYLEQC EANLTTLTNA VDAFFTAVAT NQPPKIFVAH SKFVILSAHK LVFIGDTLSR QAKAADVRSQ VTHYSNLLCD LLRGIVATTK AAALQYSPSP AAQDMVE.		
Formulation	The BCAR1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Breast Cancer Anti-Estrogen Resistance 1 (BCAR1) is a Src family kinase substrate which takes part in a range of cellular events such as migration, survival, transformation, and invasion. BCAR1 plays a vital role for tyrosine kinase-based signaling related to cell adhesion.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

BCAR1 Human Recombinant produced in E. coli is a single polypeptide chain containing 407 amino acids (465-848) and having a molecular mass of 43.9kDa. BCAR1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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