

# p130Cas, Human Recombinant

12/20

<b>CATALOG NO:</b>	P1634-10 10 µg P1634-50 50 µg
<b>ALTERNATE NAMES:</b>	Cas scaffolding protein family member 1; P130Cas; CASS1; CAS1; CRKAS ; Breast cancer anti-estrogen resistance 1; CAS; CRK-associated substrate
<b>MOL. WT.</b>	43.9 kDa
<b>ACCESSION NO:</b>	NP_055382, P56945
<b>PURITY:</b>	≥ 85% by SDS-PAGE
<b>SOURCE:</b>	<i>E.coli</i>
<b>TAG:</b>	His-Tag
<b>AMINO ACID SEQUENCE</b>	The target protein is expressed with the sequence (aa 465-848) of p130Cas fused to His-tag at the N-terminus.
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea, 10% glycerol.
<b>STORAGE CONDITIONS:</b>	Can be stored at +2 °C to +8 °C for 1 week. For long term storage, aliquot and store at -20 °C to -80 °C. Avoid repeated freezing and thawing cycles.
<b>DESCRIPTION:</b>	p130Cas/BCAR1 is a member of the Cas family (Crk-associated substrate) of adaptor proteins and plays a central coordinating role for tyrosine kinase-based signaling related to cell adhesion. It is involved in various cellular events, including migration, survival, transformation, and invasion. This adaptor protein functions in multiple cellular pathways, including cell motility, apoptosis and cell cycle control. Dysregulation of this gene can have a wide range of effects, affecting different pathways, including cardiac development, endothelial migration, and cancer. Overexpression confers antiestrogen resistance on breast cancer cells and correlates with worse prognosis, increased probability to develop metastasis and resistance to therapy. Conversely, lowering the amount of p130Cas/BCAR1 expression in ovarian, breast and prostate cancer is sufficient to block tumor growth and progression of cancer cells. Recombinant human BCAR1 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> .

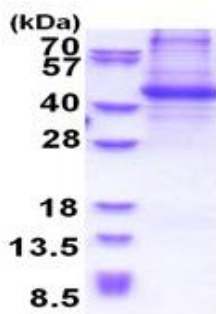


Fig A. 3 µg of p130Cas protein was loaded on SDS-PAGE under reducing conditions and visualized by Coomassie blue stain.

## RELATED PRODUCTS:

Anti-BRCA1 Antibody (Cat No: A2157 )  
 BRCA1 (Human) ELISA Kit (Cat No : K4239)  
 Anti-BRCA2 Antibody (Cat No : 3675)

**FOR RESEARCH USE ONLY! Not to be used on humans.**