Datasheet for ABIN7317518

PCBP1 Protein (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	PCBP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCBP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PCBP1 Protein (His Tag)
Sequence:	Asp 2-Cys 356
Characteristics:	A DNA sequence encoding the human PCBP1 (NP_006187.2) (Asp 2-Cys 356) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 87 % as determined by reducing SDS-PAGE.

Target Details

Target:	PCBP1
Alternative Name:	PCBP1 (PCBP1 Products)
Background:	Background: Poly(rC)-binding protein 1, also known as Heterogeneous nuclear ribonucleoprotein E1, Alpha-CP1, Nucleic acid-binding protein SUB2.3 and PCBP1, is a family member of heterogeneous nuclear ribonucleoproteins (hnRNPs) that belong to RNA-binding proteins and bear three KH domains. PCBP1 is loosely bound in the nucleus. It may shuttle

Target Details

	between the nucleus and the cytoplasm. It is abundantly expressed in skeletal muscle, thymus and peripheral blood leukocytes while a lower expression is observed in prostate, spleen, testis, ovary, small intestine, heart, liver, adrenal and thyroid glands. PCBP1 is widely expressed in many human tissues and involved in regulation of transcription, transportation process, and function of RNA molecules. PCBP1 plays a pivotal role in post-transcriptional regulation for RNA metabolism and RNA function in gene expression. PCBP1 acts as a negative regulator of CD44 variants splicing in HepG2 cells, and loss of PCBP1 in human hepatic tumor contributes to the formation of a metastatic phenotype. Synonym: HEL-S-85,hnRNP-E1,hnRNP-X,HNRPE1,HNRPX
Molecular Weight:	38.3 kDa
NCBI Accession:	NP_006187

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 500 mM NaCl, 20 % glycerol, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.