

# Recombinant Human PCBP1 Protein

Catalog No.: RP03165LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5093	Q15365

### Tags

N-His

### Synonyms

HNRPX; HNRPE1; hnRNP-X; HEL-S-85; hnRNP-E1;PCBP1

## Product Information

Source	Purification
<i>E. coli</i>	> 85% by SDS-PAGE.

Calculated MW	Observed MW
38.3 kDa	42 kDa

### Endotoxin

Please contact us for more information.

### Formulation

Supplied as sterile 50mM Tris, 500mM NaCl, 20% glycerol, pH 8.0

### Reconstitution

## 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 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 the 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.

## Basic Information

### Description

Recombinant Human PCBP1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Asp 2-Cys 356) of human PCBP1 fused with a His tag at the N-terminus.

### Bio-Activity

### Storage

Store at -70°C. This product is stable at  $\leq -70^{\circ}\text{C}$  for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

## Contact

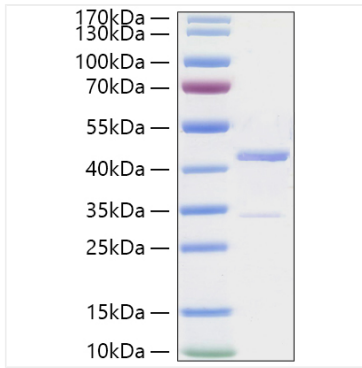
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## Validation Data

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Recombinant Human PCBP1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-50 kDa.