

PCBP1 Protein, Human (His)

| | |
|--------------------------|--|
| Cat. No.: | HY-P74649 |
| Synonyms: | Poly(rC)-binding protein 1; Alpha-CP1; hnRNP E1; PCBP1 |
| Species: | Human |
| Source: | E. coli |
| Accession: | Q15365 (D2-C356) |
| Gene ID: | 5093 |
| Molecular Weight: | Approximately 42 kDa |

PROPERTIES

| | |
|--------------------------------|---|
| AA Sequence | <p>D A G V T E S G L N V T L T I R L L M H G K E V G S I I G K K G E S V K R I R E</p> <p>E S G A R I N I S E G N C P E R I I T L T G P T N A I F K A F A M I I D K L E E</p> <p>D I N S S M T N S T A A S R P P V T L R L V V P A T Q C G S L I G K G G C K I K</p> <p>E I R E S T G A Q V Q V A G D M L P N S T E R A I T I A G V P Q S V T E C V K Q</p> <p>I C L V M L E T L S Q S P Q G R V M T I P Y Q P M P A S S P V I C A G G Q D R C</p> <p>S D A A G Y P H A T H D L E G P P L D A Y S I Q G Q H T I S P L D L A K L N Q V</p> <p>A R Q Q S H F A M M H G G T G F A G I D S S S P E V K G Y W A S L D A S T Q T T</p> <p>H E L T I P N N L I G C I I G R Q G A N I N E I R Q M S G A Q I K I A N P V E G</p> <p>S S G R Q V T I T G S A A S I S L A Q Y L I N A R L S S E K G M G C</p> |
| Appearance | Solution. |
| Formulation | Supplied as a 0.2 µm filtered solution of 50 mM Tris, 500 mM NaCl, 20% glycerol, pH 8.0. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | N/A. |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| Shipping | Shipping with dry ice |

DESCRIPTION

| | |
|-------------------|--|
| Background | PCBP1 is a single-stranded nucleic acid binding protein with a specific affinity for oligo dC. Paired with PCBP2, it is essential for erythropoiesis, potentially influencing mRNA splicing processes. In the context of poliovirus infection, PCBP1 assumes a crucial role in initiating viral RNA replication in collaboration with the viral protein 3CD. This highlights its multifunctional capacity in nucleic acid binding and its involvement in fundamental cellular and viral processes. |
|-------------------|--|

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA