

## 32-4402: Recombinant Human Poly (RC) Binding Protein 1

**Alternative Name :** Poly(rC) binding protein 1,hnRNP-E1,hnRNP-X,HNRPE1,HNRPX,Alpha-CP1,Heterogeneous nuclear ribonucleoprotein E1,Nucleic acid-binding protein SUB2.3,PCBP1.

### Description

Source : Escherichia Coli. PCBP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 186 amino acids (1-163) and having a molecular mass of 19.6 kDa.PCBP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PCBP1 is a single-stranded nucleic acid binding protein that binds preferentially to oligo dC. PCBP1 plays a role in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability. PCBP1 along with PCBP-2 and hnRNPK corresponds to the major cellular poly(rC)-binding protein. PCBP1 and PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promotes poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** The PCBP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMDAGVTE SGLNVTLTIR LLMHGKEVGS IIGKKGESVK  
RIREESGARI NISEGNCPER IITLTGPTNA IFKAFAMIID KLEEDINSSM TNSTAASRPP  
VTLRLVVPAT QCGSLIGKGG CKIKEIREST GAQVQVAGDM LPNSTERAIT IAGVPQSVTE  
CVKQIC.

