9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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PCBP1 Human

Poly (RC) Binding Protein 1 Human Recombinant
RCP1593

Product Overview

Name	PCBP1 Human
Description	
Poly (RC) Binding Protein 1 Human Recombinant	
Accession (Primary)	Q15365
Synonyms	
Poly(rC) binding protein 1, hnRNP-E1, hnRNP-X, HNRPE1, HNRPX, Alpha-CP1, Heterogeneous nuclear ribonucleoprotein E1, Nucleic acid-binding protein SUB2.3, PCBP1.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The PCBP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MDAGVTE SGLNVTLTIR LLMHGKEVGS IIGKKGESVK RIREESGARI NISEGNCPER IITLTGPTNA IFKAFAMIID KLEEDINSSM TNSTAASRPP VTLRLVVPAT QCGSLIGKGG CKIKEIREST GAQVQVAGDM LPNSTERAIT IAGVPQSVTE CVKQIC.	

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Precautions

PCBP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15365)