

# Product datasheet for AR51138PU-S

## PCBP1 (1-163, His-tag) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | PCBP1 (1-163, His-tag) human recombinant protein, 0.1 mg   |
| Species:                                 | Human  |
| Expression Host:                         | E. coli  |
| Expression cDNA Clone<br>or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMDAGVTE SGLNVTLTIR LLMHGKEVGS IIGKKGESVK<br>RIREESGARI NISEGNCPER IITLTGPTNA IFKAFAMIID KLEEDINSSM TNSTAASRPP VTLRLVVPAT<br>QCGSLIGKGG CKIKEIREST GAQVQVAGDM LPNSTERAIT IAGVPQSVTE CVKQIC |
| Tag:                                     | His-tag  |
| Predicted MW:                            | 19.6 kDa   |
| Concentration:                           | lot specific   |
| Purity:                                  | >85% by SDS - PAGE   |
| Buffer:                                  | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM<br>DTT   |
| Preparation:                             | Liquid purified protein  |
| Protein Description:                     | Recombinant human PCBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli<br>and purified by using conventional chromatography techniques.  |
| Storage:                                 | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.  |
| Stability:                               | Shelf life: one year from despatch.  |
| RefSeq:                                  | <u>NP 006187</u>   |
| Locus ID:                                | 5093   |
| UniProt ID:                              | <u>Q15365, Q53SS8</u>  |
| Cytogenetics:                            | 2p13.3   |
| Synonyms:                                | HEL-S-85; hnRNP-E1; hnRNP-X; HNRPE1; HNRPX   |



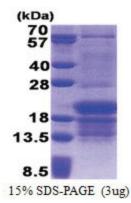
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

#### **CRIGENE** PCBP1 (1-163, His-tag) Human Protein – AR51138PU-S

Summary: This intronless gene is thought to have been generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNPK corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA. The encoded protein is also suggested to play a part in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability. [provided by RefSeq, Jul 2008]

Protein Pathways: Spliceosome

### **Product images:**



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US