



# Recombinant Human Poly (rC)-binding protein 1 (PCBP1)

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| <b>Product Code</b>      | CSB-BP613590HU   |
| <b>Abbreviation</b>      | PCBP1  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q15365   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MDAGVTESGL NVTLTIRLLM HGKEVGSIIIG KKGESVKRIR EESGARINIS<br>EGNCPERIIT LTGPTNAIFK AFAMIIDKLE EDINSSMTNS TAASRPPVTL<br>RLVVPATQCG SLIGKGGCKI KEIRESTGAQ VQVAGDMLPN STERAITIAG<br>VPQSVTECVK QICLVMLETL SQSPQGRVMT IPYQPMPASS PVICAGGQDR<br>CSDAAGYPHA THDLEGPPLD AYSIQGQHTI SPLDLAKLNQ VARQQSHFAM<br>MHGGTGFAGI DSSSPEVKGY WASLDASTQT THELTIPNNL IGCIIGRQGA<br>NINEIRQMSG AQIKIANPVE GSSGRQVTIT GSAASISLAQ YLINARLSSE<br>KGMGCS  |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | PCBP1  |
| <b>Protein Names</b>     | Recommended name: Poly(rC)-binding protein 1 Alternative name(s): Alpha-CP1 Heterogeneous nuclear ribonucleoprotein E1 Short name= hnRNP E1 Nucleic acid-binding protein SUB2.3  |
| <b>Expression Region</b> | 1-356  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | 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. This protein 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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