# Recombinant Human Poly (rC)-binding protein 2 (PCBP2)

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| **Product Code** | CSB-YP622995HU |
| **Abbreviation** | PCBP2 |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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. |
| **Uniprot No.** | Q15366 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | ≥85% (SDS-PAGE) |
| **Sequence** | MDTGVIEGGL NVTLTIRLLM HGKEVGSIIG KKGESVKKMR EESGARINIS EGNCPERIIT LAGPTNAIFK AFAMIIDKLE EDISSSMTNS TAASRPPVTL RLVVPASQCG SLIGKGGCKI KEIRESTGAQ VQVAGDMLPN STERAITIAG IPQSIIECVK QICVVMLETL SQSPPKGVTI PYRPKPSSSP VIFAGGQDRY STGSDSASFP HTTPSMCLNP DLEGPPLEAY TIQGQYAIPQ PDLTKLHQLA MQQSHFPMTH GNTGFSGIES SSPEVKGYWG LDASAQTTSH ELTIPNDLIG CIIGRQGAKI NEIRQMSGAQ IKIANPVEGS TDRQVTITGS AASISLAQYL INVRLSSETG GMGSS |
| **Source** | Yeast |
| **Target Names** | PCBP2 |
| **Protein Names** | Recommended name: Poly(rC)-binding protein 2 Alternative name(s): Alpha-CP2 Heterogeneous nuclear ribonucleoprotein E2 Short name= hnRNP E2 |
| **Expression Region** | 1-365 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | full length protein |
| **Target Details** | This protein appears to be multifunctional. Along with PCBP-1 and hnRNPK, it is one of the major cellular poly(rC)-binding proteins. The encoded protein contains three K-homologous (KH) domains which may be involved in RNA binding. Together with PCBP-1, this protein also functions as a translational coactivator of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES, promoting 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 |

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| | alpha-globin mRNA stability. This multiexon structural mRNA is thought to be retrotransposed to generate PCBP-1, an intronless gene with functions similar to that of PCBP2. This gene and PCBP-1 have paralogous genes (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. Thsi gene also has two processed pseudogenes (PCBP2P1 and PCBP2P2). Multiple transcript variants encoding different isoforms have been found for this gene. |
| **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. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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. |