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

Product Code	CSB-EP613590HU
Abbreviation	PCBP1
Storage	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.
Uniprot No.	Q15365
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MDAGVTESGL NVTLTIRLLM HGKEVGSIIG KKGESVKRIR EESGARINIS EGNCPERIIT LTGPTNAIFK AFAMIIDKLE EDINSSMTNS TAASRPPVTL RLVVPATQCG SLIGKGGCKI KEIRESTGAQ VQVAGDMLPN STERAITIAG VPQSVTECVK QICLVMLETL SQSPQGRVMT IPYQPMPASS PVICAGGQDR CSDAAGYPHA THDLEGPPLD AYSIQGQHTI SPLDLAKLNQ VARQQSHFAM MHGGTGFAGI DSSSPEVKGY WASLDASTQT THELTIPNNL IGCIIGRQGA NINEIRQMSG AQIKIANPVE GSSGRQVTIT GSAASISLAQ YLINARLSSE KGMGCS
Source	E.coli
Target Names	PCBP1
Protein Names	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
Expression Region	1-356
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 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.
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. 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.