

Product datasheet for TP325457

PCBP2 (NM_001128914) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Homo sapiens poly(rC) binding protein 2 (PCBP2), transcript variant 7, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC225457 representing NM_001128914 Red=Cloning site Green=Tags(s) |

MDTGVIIEGGLNVTLTIRLLMHGKEVGSIIIGKKGESVKKMREESGARINISEGNCPERIITLAGPTNAIFK
AFAMIIDKLEEDISSSMTNSTAASRPPVTLRLVVPASQCGSLIGKGGCKIKEIRESTGAQVQVAGDMLPN
STERAITIAGIPQSIIECVKQICVVMLESPPKGV TIPYRPKPSSSPVIFAGGQAYTIQGQYAIQPD LTK
LHQLAMQQSHFPMTHGNTGFSAGLDASAQTTSHELTPNDLIGCIIGRQGAKINEIRQMSG AQIKIANPV
EGSTDRQVTITGSAASISLAQYLINVRLSSETGGMGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 33.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_001122386 |
| Locus ID: | 5094 |

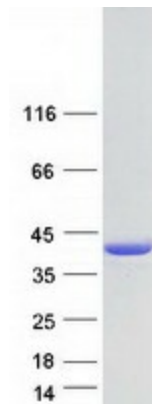


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UniProt ID: [Q15366](#)
Cytogenetics: 12q13.13
RefSeq ORF: 954
Synonyms: hnRNP-E2; HNRNPE2; HNRPE2

Summary: The protein encoded by this gene 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 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. This gene also has two processed pseudogenes (PCBP2P1 and PCBP2P2). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2018]

Product images:



Coomassie blue staining of purified PCBP2 protein (Cat# TP325457). The protein was produced from HEK293T cells transfected with PCBP2 cDNA clone (Cat# [RC225457]) using MegaTran 2.0 (Cat# [TT210002]).