

## Product datasheet for **SC216224**

### PCBP2 (NM\_001128913) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PCBP2 (NM_001128913) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PCBP2
Synonyms:	hnRNP-E2; HNRNPE2; HNRPE2
ACCN:	NM_001128913
Insert Size:	1750 bp



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**Insert Sequence:** >SC216224 3'UTR clone of NM\_001128913  
 The sequence shown below is from the reference sequence of NM\_001128913. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCGGAGACGGGTGGCATGGGGAGCAGCTAGAACAAATGCAGATTTCATCCATAATCCCTTTCTGCTGTTC
CCACCACCCATGATCCATCTGTGTAGTTTCTGAACAGTCAGCGATTCCAGTTTTAAATAGTTTGTAAA
TTTTAGTTTCTACACACTTTATCATCCACTCGTGATTTTTTAATTAAAGCGTTTTAATTCCTTTCTCT
GTTTCAGCTGTTGATGCTGAGATCCATATTTAGTTTATAAGCTTCTCCCTGGTTTTTTTTTTGGCTC
ATGAATTTTTCTGTTTGCATGGAAATGTAAGAGTGAATATAATACATTTTCAGTTTAGTTCTGTAAT
GTCAGGAATTTTTCAAAAAAATAAAAGATGGACTGGAGCTTTTTCTTTGTGAATAGAACTGGATGCC
ACAGTGATTCATGTGGTTTTATCCTCTGTCTGTTATTTTTGTACCTTTATCCCTCAAAGGA
CCCTTCTGGGTTTTGAATGGAAGCCTTATTCCGGTTAAGATGTTTTCTCTATTTTACCCTCCAT
CTTTTTTGTGGCCCTCGATCCTATTTTTCCCTGACTCCATGCTTGGTTGGCCCTATAAAACTGTGC
CCAAAAGATTGAGGATTAGACTTTCCGAGGACTTACCTGTCTAGGGGAGTAGGCAAGCACTTCCACTA
GGGAGGGGGTGGGGGAAAGGAATGACACATGACATACATGGCATAACATTAAGCAGTTGATCATATGT
CTGACTGGGTTCCAGTTTCTGGGAATGTTGGTCCCTTGTTCAGGCTTGATATTTAACTAAAAAT
TTCAGTCTATTGTTTTAGTAACTTCATTTATAGTCCCTCCATAACAAGTTAGAAGGATGTATCTGCTAC
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CATGTATGGTACCCCATTCATTCATCAAGAAAACCTCAACAGCTGGGCTGCATGGAGTGTATATTT
CAAGGTTTTTACAGGGTTACAGTAGGACAGTCCCCACCCAATCAGGCACCAGGATAAAAAGCAGGGA
CTTAAACAGCACCCCGTTCTTACGCTGAGCCATCACATGCTATCAGTCTCCTAACCTCCCTCGGC
CTTAAAGACAGGGCTTGGGCAGAGAAGATAAATGGTGGGACAAAAAATGAGTTACATTGCCACCTGAGA
AACCTCAGAGGGGAGGCCAGCCTTAGCCTCCCTCCCAAGTCAAAAATGTGTAACAGAGTAAAC
GGAACAGAAAAGTGCAGTCTAAGTGGTTTTCTCTCTGCCCTCCACCGCCCTCCCCCACCCTTA
TTATTTGGGGATAAAGAATATAAAGACAACCCTGGCTTTCTATTGCCTTGTGCTGCTGAATATAAG
GAATGGGTGGGCAGGAAGGGCTTGCCTTAGCCACAGCTCTACGGCTGTGCCTATTATTCCAC
AGCTGCCAGTGTCCCTAGAGTTTATCAGGTGAATTGGTCAGGGGATCAGTCTCCCTCGAGCCTGACTTA
CGGCTGGGACAGCCCATCTTTCTGTTGATTATGTGGCGCATATATATATATATATATATATATA
ATTTATATAAATATTTCTCTATGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001128913.2](#)

**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]

**Locus ID:**

5094

**MW:**

65.8