

Product datasheet for SC116302

PCBP1 (NM_006196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCBP1 (NM_006196) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCBP1
Synonyms:	HEL-S-85; hnRNP-E1; hnRNP-X; HNRPE1; HNRPX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116302 sequence for NM_006196 edited (data generated by NextGen Sequencing)

```

ATGGATGCCGGTGTGACTGAAAGTGGACTAAATGTGACTCTCACCATTTCGCTTCTTATG
CACGAAAAGGAAGTAGGAAGCATCATTGGGAAGAAAGGGAGTCCGGTTAAGAGGATCCGC
GAGGAGAGTGGCGCGCGGATCAACATCTCGGAGGGGAATTGTCCGGAGAGAATCATCACT
CTGACCGGCCCAACATGCCATCTTTAAGGCTTTGCTATGATCATCGACAAGCTGGAG
GAAGATATCAACAGCTCCATGACCAACAGTACCGCGGCCAGCAGGCCCGGTCACCCTG
AGGCTGGTGGTCCGGCCACCCAGTGGCGCTCCCTGATTGGGAAAGCGGGTGTAAAGATC
AAAGAGATCCGCGAGAGTACGGGGCGCAGGTCCAGGTGGCGGGGATATGCTGCCAAC
TCCACCGAGCGGGCCATCACCATCGCTGGCGTCCCGCAGTCTGTCACCGAGTGTGTCAAG
CAGATTTGCCTGGTCATGCTGGAGACGCTCTCCAGTCTCCGCAAGGGAGAGTCATGACC
ATTCCGTACCAGCCCATGCCGGCCAGCTCCCAAGTCATCTGCGCGGGCGGCAAGATCGG
TGACGCGACGCTGCGGGTACCCCATGCCACCCATGACCTGGAGGGACCACTCTAGAT
GCCTACTCGATTCAAGGACAACACACCAATTTCTCCGCTCGATCTGGCCAAGCTGAACCAG
GTGGCAAGACAACAGTCTCACTTTGCCATGATGCACGGCGGGACCGGATTCGCCGGAATT
GACTCCAGCTCTCCAGAGGTGAAAGGCTATTGGCAAGTTGGATGCATCTACTCAAACC
ACCCATGAACTCACCATTCCAAATAACTTAATTGGCTGCATAATCGGGCGCAAGGCCG
AACATTAATGAGATCCGCCAGATGTCCGGGGCCAGATCAAAATTGCCAACCCAGTGGAA
GGCTCCTCTGGTAGGCAGGTTACTATCACTGGCTCTGCTGCCAGTATTAGTCTGGCCAG
TATCTAATCAATGCCAGGCTTTCCTCTGAGAAGGGCATGGGGTGCAGCTAG

```

Clone variation with respect to NM_006196.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006196 unedited TCACTATTTTGTAAACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGCGCCGCT CGCCATGGATGCCGGTGTGACTGAAAGTGGACTAAATGTGACTCTCACCATTCCGGCTTCT TATGCACGAAAGGAAGTAGGAAGCATATTGGGAAGAAAGGGGAGTCGGTTAAGAGGAT CCGCGAGGAGAGTGGCGCGGGATCAACATCTCGGAGGGGAATTGTCCGGAGAGAATCAT CACTCTGACCGGCCCCACCAATGCCATCTTTAAGGCTTTTCGCTATGATCATCGACAAGCT GGAGGAAGATATCAACAGCTCCATGACCAACAGTACCGCGGCCAGCAGGCCGCCCGGTCAC CCTGAGGCTGGTGGTCCCGGCCACCCAGTGCAGCTCCCTGATTGGGAAAGCGGGTGTA GATCAAAGAGATCCGCGAGAGTACGGGGCGCAGGTCCAGGTGGCGGGGATATGCTGCC CACTCCACCGAGCGGGCCATCACCATCGCTGGCGTGCCGAGTCTGTCACCGAGTGTGT CAAGCAGATTTGCCTGGTCATGCTGGAGACGCTCTCCAGTCTCCGCAAGGGAGAGTCAT GACCATTCCGTACCAGCCATGCCGGCCAGTCCCAAGTCTGCGCGGGCGGCCAAGA TCGGTGCACGACGCTGCGGGTACCCCATGCCACCCATGACCTGNAGGGACCACCTCT AGATGCCTACTCGATTACGGGACACACCATTCTCCGCTCGATCTGGCCAAGTGAAC CCAGTGGCAAGAAAACAGTCTCACTTTGCCATGATGCCACGCGGNACCGATTCCGCCNA ATTTGACTCCACTCTCCACAAGTAAAGGCTATTGCGGCCAGTTGGATGCCTCTACTCAA ACACNCATGAACCTCCATTTCCAATAATCAATTGCTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006196 unedited CCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAACCAATCCGTTTTTTAATTCTTA AATTCTTGACATTACAGAACTAACTGAAATTTATTAACATTCCACTCTTACATTTCTTA TCGACAAAACAGAAATAAAATTCATGAGCCAAAAAACCACAAAACAAAACAAAACAGGGA AAAGCTTATAAACTAAATATGGATCCCAGCATTAAACAGCTGAACAGAGAATGTGATTTT TAAATTTAGCGGATGATAAAGTTGTGTAGAACTGAACACTTACAAATTTATTTAAAAC CTGGAATCACTGACCAGAAATTACACAGTTGGATCATGGGAGAACAGCAGAAAGGGGTTA TTGAGGGAACCTACACTGTTCTAGCTGCACCCATGCCCTTCTCAGAGGAAAGCCTGGCA TTGATTAGATACTGGGCCAGACTAATACTGGCAGCAGAGCCAGTGATAGTAACCTGCCTA CCAGAGGAGCCTTCCACTGGGTTGGCAATTTTATGCTGGGCCCGGACATCTGGCGGATC TCATTAATGTTGGCGCCTTGGCGCCGATTATGCAGCCAATTAAGTTATTTGGAATGGTG AGTTCATGGGTGGTTTGGAGTAGATGCATCCAACTTGCCTAATAGCCTTTACCTCTGGA GAGCTGGAGTCAATCCGCGCAATCCGGTCCCGCGTGCATCATGGCAAGTGAGACTGG TGTCTTGCCACCTGGTTCAGCTTGGCCAGATCGAGCGGAGAAAGTTGGGTNGTCTTGA ATCGAGTAGGCATCTAGAGGGTGGTCCCTNNCAGTCATGGGTGGGCATGGGGGTANCCCG CANCGTCNCTGCACCGATCTTGGCCGCCGCAAACTAGGGAACTGGNCCGCATGGGC TGGACNGAAATGGCATGACTTTCCCTTGCAGACTGGGAAAGCGTTCACATGACAGGC AATTTGCTGACAACCTGTGACGATGGGGACGCACGAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006196
Insert Size:	1470 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006196.2](#), [NP_006187.1](#)

RefSeq Size: 1634 bp

RefSeq ORF: 1071 bp

Locus ID: 5093

UniProt ID: [Q15365](#)

Cytogenetics: 2p13.3

Domains: KH

Protein Pathways: Spliceosome

Gene Summary: 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. The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]