

Product datasheet for **SC215292**

PTBP1 (NM_002819) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTBP1 (NM_002819) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTBP1
Synonyms:	HNRNP-I; HNRNPI; HNRPI; pPTB; PTB; PTB-1; PTB-T; PTB2; PTB3; PTB4
ACCN:	NM_002819
Insert Size:	1516 bp



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Insert Sequence:	<p>>SC215292 3'UTR clone of NM_002819 The sequence shown below is from the reference sequence of NM_002819. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGGGTCTCCTTCTCCAAGTCCACCATCAGGGGCACAGGCCCCACGGCCGGGCCCTGGCGACAAC TCCATCATTCCAGAGAAAAGCCACTTTAAAAACAGCTGAAGTGACCTTAGCAGACCAGAGATTTTATTT TTTTAAAGAGAAAACAGTTTACCTGTTTTTAAAAAAATTAATCTAGTTCACCTTGCTCACCTGCGGT GACAGGGACAGCTCAGGCTCTTGGTGACTGTGGCAGCGGGAGTTCCCGGCCCTCCACACCCGGGGCCAG ACCCTCGGGGCCATGCCTTGGTGGGGCCTGTGTCGGGCGTGGGGCCTGCAGGTGGGCGCCCCGACCAG ACTTGGCTTCTTGTGCCTTAAAAACCTGCCTTCTGCAGCCACACCCACCCGGGTGCTCCTGGGG ACCCAAGGGTGGGGGGTACACCAGAGAGAGGCAGGGGGCCTGGCCGGCTCCTGCAGGATCATGCAG CTGGGGCGCGGGCGCCGGCTGCGACACCCCAACCCAGCCCTCTAATCAAGTCACGTGATTCTCCCT TACCCCGCCCCAGGGCCTCCCTTCTGCCCCAGGCGGGCTCCCGCTGCTCCAGCTGCGGAGCTGG TCGACATAATCTCTGTATTATATACTTTGCAGTTGCAGACGTCTGTGCCTAGCAATATTTCCAGTTGAC CAATATTTCTAATCTTTTTTCAATTTATATGCAAAAAGAAATAGTTTTAAGTAACTTTTTATAGCAAGATG ATACAATGGTATGAGTGAATCTAAACTCCTTGTGGTATTACCTTGTATGCTGTTACTTTTTATTTAT TCCTTGTAAATTAAGTCACAGGCAGGACCCAGTTCCAGAGAGCAGGCGGGGCCCGCCAGTGGGTACGGC ACAGGGAGCCCCGGTCTATCTTAGAGCCCCTGAGCTTCAGGGAAGGGCGGGCGTGTGCCCGCCTCG GCATCGCCTCCGGTTGCCTTACACCACGCCTTACCTGCAGTCGCCTAGAAAACCTGCTCTAAAACCTC AGGGTTTTTCTCCTTCAAATTTTGGACCAAAGTCTCATTCTGTGTTTTGCCTGCCTCTGATGCTGG GACCCGGAAGGGCGGGCCTCCTCCTGTCTTCTGTGCTTTTTCTACCGCCCCGCGTCTGTCCCGGG GGCTCTCCTAGGATCCCTTTCCGTAAGCGTGTAAACAAGGGTGTAAATATTTATAATTTTTTATACC TGTGTGAGACCCGAGGGCGGGCGCGGTTTTTTATGGTGACACAAATGTATATTTTGCTAACAGCA ATTCCAGGCTCAGTATTGTGACCGCGGAGCCACAGGGACCCACGCACATTCCGTTGCCTTACCCGAT GGCTTGTGACGCGGAGAGAACCATTAAAACGTTTTGAGAACTCCTCCCTTGTCTAGCCCTGTGTTG CTGTGGACGCTGTAGAGGCAGTTGGCCAGTCTGTACCTGGACTCGAATAAATCTTCTGTATCCTC ACGCGTAAGCGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
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:	<u>NM_002819.5</u>

Summary:

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA-binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has four repeats of quasi-RNA recognition motif (RRM) domains that bind RNAs. This protein binds to the intronic polypyrimidine tracts that requires pre-mRNA splicing and acts via the protein degradation ubiquitin-proteasome pathway. It may also promote the binding of U2 snRNP to pre-mRNAs. This protein is localized in the nucleoplasm and it is also detected in the perinucleolar structure. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Locus ID:

5725

MW:

55.7