

## Product datasheet for **SC206042**

### PPP2R2B (NM\_181678) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PPP2R2B (NM\_181678) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PPP2R2B  
**Synonyms:** B55BETA; PP2AB55BETA; PP2ABBETA; PP2APR55B; PP2APR55BETA; PR2AB55BETA; PR2ABBETA; PR2APR55BETA; PR52B; PR55-BETA; PR55BETA; SCA12  
**ACCN:** NM\_181678  
**Insert Size:** 477 bp  
**Insert Sequence:** >SC206042 3'UTR clone of NM\_181678  
The sequence shown below is from the reference sequence of NM\_181678. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTATATATATTCCAGGACAAGGTTAACTAGGTGGACAAGTTATTACTTAATAATCTCACATACTGAATA
CTAGTCAAACAAGTTTTTAAATGTTTCTTTGGGTCTTCATTTGATGCATTGACTTTAATTTCCCTATAC
AGGAAATGATTGGAATAGAATTTAAAGGAGTCCAACATTTCCAGCTCCCCAGTTCTAAGAACTTTTGT
CAAACCCAATAGGTTTGGGACACTTCTGTTTGAATTGAAAGTCCAGCTAACAGTAATTTCTCCATA
GTTGACTTGAACCTCTGATGCTTTTATTGCCAGTTTTCTCTGGTGGGTCCAGTGTTTTGTCTAGGT
GTCTGCTGCGATAAAATGAGTTGTCTGTAGTATTTAAGGAGAAAAGAGATAAGTTTTTTTTTAATTAAG
CAATTCATTTGATTGAAAAAATCAACAAAAATAAACACCGTTTACTCTTAGACAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-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\\_181678.2](#)



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**Summary:**

The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a beta isoform of the regulatory subunit B55 subfamily. Defects in this gene cause autosomal dominant spinocerebellar ataxia 12 (SCA12), a disease caused by degeneration of the cerebellum, sometimes involving the brainstem and spinal cord, and in resulting in poor coordination of speech and body movements. Multiple alternatively spliced variants, which encode different isoforms, have been identified for this gene. The 5' UTR of some of these variants includes a CAG trinucleotide repeat sequence (7-28 copies) that can be expanded to 55-78 copies in cases of SCA12. [provided by RefSeq, Jul 2016]

**Locus ID:** 5521

**MW:** 18.4