

Product datasheet for **SC205970**

PPP2R2B (NM_004576) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PPP2R2B (NM_004576) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PPP2R2B
Synonyms:	B55BETA; PP2AB55BETA; PP2ABBETA; PP2APR55B; PP2APR55BETA; PR2AB55BETA; PR2ABBETA; PR2APR55BETA; PR52B
ACCN:	NM_004576
Insert Size:	473 bp
Insert Sequence:	>SC205970 3'UTR clone of NM_004576 The sequence shown below is from the reference sequence of NM_004576. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CTATATATATTCCAGGACAAGGTTAACT AG GTGGACAAGTTATTACTTAATAATCTCACATACTGAATA CTAGTCAAACAAGTTTTAAATGTTTCTTTGGGTCTTCATTTGATGCATTGACTTTAATTTCCCTATAC AGGAAATGATTGGAATAGAATTAAGGAGTCCAACATTTCCAGCTCCCCAGTTCTAAGAACTTTTGT CAAACCCAATAGGTTTGGGACACTTCTGTTTGAATTGAAAGCTGCCAGTAAACAGTAATTTCTCCATA GTTGACTTGAACCTCTGATGCTTTTATTGCCAGTTTTCTCTGGTGGGTCCAGTGTTTTGTCTAGGT GTCTGCTGCGATAAAATGAGTTGTCTGTAGTATTTAAGGAGAAAAGAGATAAGTTTTTTTTAATTAAG CAATTCATTTGATTGAAAAAATCAACAAAAATAAACACCGTTTACTCTTAGACAAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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_004576.2</u>



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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:

18.2