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Product datasheet for SC206047

PPP2R2B (NM_181674) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PPP2R2B (NM_181674) 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_181674
Insert Size:	2000 bp

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Insert Sequence:

>SC206047 3'UTR clone of NM_181674
The sequence shown below is from the reference sequence of NM_181674. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTATATATATTCCAGGACAAGGTTAACTAGGTGGACAAGTTATTACTTAATAATCTCACATACTGAATA
CTAGTCAAACAAGTTTTTAAATGTTTCTTTGGGTCTTCATTTGATGCATTGACTTTAATTTCCCTATAC
AGGAAATGATTGGAATAGAATTAAAAGGAGTCCAACATTCCCAGCTCCCCAGTTCTAAGAAACTTTTGT
CAAACCCAATAGGTTTGGGACACTTCTGTTTAGAATTGAAAGCTGCCAGCTAACAGTAATTCTTCCATA
GTTGACTTGAACTTCTGATGCTTTTATTGCCCAGTTTTCTCTGGTGGGTCCAGTGTTTTGTTCCTAGGT
GTCTGCTGCGATAAAATGAGGTTGTCTGTAGTATTTAAGGAGAAAAGAGATAAGTTTTTTTTAATTAAG
CAATTCCATTTGATTGAAAAAAATCAACAAAAAATAAACACCGTTTACTCTTAGACAAATTCTTCTTGT
TTTGTGAAAAACCAGAACTAGTCAGTATCTCCTGCCCCTCCACCATTTTTTTTTCCATTTTCCATTTTC
CTTTGAACAATTTCATTTAAGCCAGAGATTTATTGCATGAAGCTGAGAAGAGGATGCAGAATGACAAGG
AAAGGGCACATCAACCCTGCTATGCTCTTTTTTTGTAAGCTCCATAGAAACAGCCTGAGAATTTGGCTA
GGGAACTTGAATGCTTCAGGGGACAGAAAGAGAGCACTTTCGACACAGTGCTTCCCAGAGTGAGCTTGG
CAGGGCCAGGCGGGGCCAAATTCCATCTGCTGCCTTGTTACTCTTGCTTTTTGTGCTCTTAAATGGCTC
CATATAATCTTCTACTTACATGTTCCTTGGCTTTTTTCTCTTCAACCTTTTCCAGCTTATTTATTCCAT
TGACTTCTAAAGGCCGAGTCCTGGGTGCTTATTATCTGGTGTTCTAAATGAAGCAGTAAGTTGGAAGCA
GTGCCACCACCCCTGAGTCCCTGAGAAAGGCTGGTCTGTTCTTTTTGGGTGTTTCTCCTAAGCAGCACC
CTCCCCTCCTCCTGGTTTTGGTAACCAAAAGTAACAATCCATCAACCTCCATTGTACCTAGAACAAAAA
TAGCCAATAAAAACGCTGAGTTGTGAAGTCCAATCAGGCACTTCTAACTCACCCCAAGCTCGCCATCTG
GAAAAACAGACCAGAAGGCTCTCTTCTACAGAAATGAACTGTGGGGAAATCAAGCAGCTGTGACATGAA
GTGAATGAAGTCCACTTGAAGCTGTGGAAGATGGTTCATCCTTTTCCCCAGTTGAGGATCCAGATTTAT
AACTTCTAGAAAGCCATTTCCAGAAGGTTCTATGTGGCACACCCCTAGGAAAGGCACTAAATGCATGCA
AAGGATTTATAAACTTAGGAAAGTAGATGGGTGGAGTCCAGAAAACTGGTTCTGGGTTAATATCTCTAC
ATCTGTCTTGATGACTCATTTCTCCTAACTCCCATTTAGTGCAGGGTAAATGGTTTGAGATGAGAGTTT
TTCAATGAAAGGGAAATTTTCTTTCAGTTTACAGATGTATTAGAAGTCCTGACTTTCAAGTGTAATTTG
CTTTGGAGGAGGAAAAAATAGTGAAAGAATCATTTTATCTCAATTCTAAGCTACTATCCATTTACTAAT
AGCTTTTTGGCAAGGAAATAACTGTCACCTTAGGTAAAAACAGTCTTGTTAGATGCAGCCCAATTTCAG
GAACATTAAAATGTAAAAAAGTACGTCTCAGAATTGAGGGAGCATGGGAACAAAGACGAGACTTTCTCA
GTATTTCTCATTTTTCCTGCAAGGAAAGCCTCGCCTTAGGCATCTCAAGTAAAGTGGCTAAGGTGTAAA
CTCTCTGGGCAAGATTTCTGTCCTGACTGGGACAGTGTTCTTGGAGGAGACATGAGAGAGTCAGAAACT
TCTGCCAGTCATAGAGAGTGATGATTTTGCAGAAGGCCACTGGGTTATTGGCCTACATTTACCACCGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_181674.3

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: 77.7