

Product datasheet for **SC303949**

PRPF40B (NM_012272) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF40B (NM_012272) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPF40B
Synonyms:	HYPC
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012272, the custom clone sequence may differ by one or more nucleotides

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ATGCCCCCTCCAGGGATCCCCCACCCCTTTCCTCCGATGGGGCTACCCCCATGAGTCAG
AGACCACCAGCTATCCCCCATGCCACCTGGCATCCTGCCCCAATGCTTCCACCAATG
GGGGGCCACCACCACTCACACAGATACCAGGAATGGTACCTCCGATGATGCCAGGAATG
CTGATGCCAGCGGTGCCTGTACCCGACGACGGCTCCGGGTGCGGACACCGCCAGCTCT
GCTGTGGCTGGACAGGCCCTCCGAGGGCCCTATGGAGTGAGCATGTGGCCCCAGATGGG
CGCATCTACTACTACAATGCTGACGACAAGCAGTCCGTGTGGGAGAAGCCAGCGTGCTC
AAGTCCAAGGCAGAGCTGCTCCTGTCCCAATGTCCTGGAAGAGTACAAGTCGGACACA
GGCAAACCTTATTACTATAACAACCAGAGTAAAGAGTCCCCTGGACCCGGCCCAAGGAT
CTGGATGACCTAGAGTTCTAGTCAAACAAGAGGCTGCAGGAAACAGCAGCAGCAGCTG
CCACAGACACTTCAGCCACAGCCACCTCAGCCACAGCCTGACCCCCACCTGTGCCTCCT
GGCCCCACCCAGTGCCACAGGCCTCCTGGAACCTGAGCCAGGTGGGAGTGAAGATTGT
GATGTGTTGGAGGCCACCCAGCCCTGGAACAGGGGTTCTGCAGCAGCTGGAGGAGGGC
CCCAGCAGTTCTGGACAGCATCAGCCACAGCAGGAGGAGGAATCAAAGCCAGAACCA
GAGAGGTCTGGCCTCAGTTGGAGCAACCGGGAAGGCAAGCAGGCATTCAAGGAACTG
CTGAGGGACAAGGCTGTCCCCTCCAATGCCTCATGGGAACAGGCCATGAAGATGGTGGTC
ACCGACCCCGTTACAGTGCCTTGCCTAAACTGAGTGAGAAAAAGCAGGCATTCAATGCC
TACAAGGCGCAGCGGGAAGGAGGAGAAGGAGGAGGCCCGGCTAAGGGCCAAAGAGGCC
AAGCAGACCTGCAGCATTTCTGGAGCAGCATGAACGCATGACCTCCACCACCCGCTAC
CGGCGGGCAGAACAGACCTTTGGGGAGCTGGAGGTCTGGGCTGTGGTCCCTGAGAGGGAT
CGAAAAGAGGTTTATGATGATGTCCTCTTCTTCTGGCCAAGAAGGAGAAGGAACAGGCC
AAGCAGCTCCGGCGCCGAATATCCAGGCCCTAAAGAGCATCTGGATGGGATGAGTAGT
GTCAACTTCCAAACCAGTGGTCCCAGGCCAGCAGTACCTCATGGATAACCCAGCTTT
GCTCAGGACCATCAGCTGCAAGACATGGACAAGGAAGATGCACTGATCTGTTTTGAGGAG
CACATCCGAGCTTTGGAGAGGGAAGAGGAGGGAACGGGAGCGGGCCCGGCTTCGGGAG
CGACGCCAACACGCAAGAAATCGGGAGGCCTTCAGACCTTCTGGACGAGCTGCATGAG
ACAGGGCAGCTGCACTCTATGTCCACCTGGATGGAGCTATATCCAGCAGTCAGCACTGAT
GTCCGCTTTGCCAATGCTGGGCCAGCCGGGCTCCACCCCTCTGGACTTATTCAAGTTC
TATGTGGAGGAGTTGAAGGCACGATTCCATGATGAAAAGAAGATCATTAAAGGACATCCTT
AAGGTGAACACGGCCTTTGAGGACTTCGCCACGTCATAAGCTTTGACAAGAGGGCTGCC
GCACTGGACGCAGGCAACATCAAGCTGACCTTCAATAGTCTGCTGGAGAAAGCAGAGGCA
CGGGAGAGGGAGCGGGAAGGAGGAGGCACGCAGGATGCGGCGCAGGGAAGCTGCCTTT
CGAAGCATGCTGAGGCAGGCTGTGCCTGCTCTGGAGCTAGGCACTGCCTGGGAAGAGGTC
CGTGAGCGTTTTGTGTGTGACTCAGCCTTTGAGCAGATCACCCCTGGAGTCGGAGCGGATC
CGGCTCTTCCGGGAGTTCCTACAGGTGCTGGAGCAGACTGAATGCCAGCACCTCCACACC
AAAGGCCGAAAGCATGGCAGGAAAGGCAAGAAGCACCATCACAAGCGTTCCTCACTCACCT
TCAGGCTCTGAGTCAGAAGAAGAGGAGCTGCCCCACCATCTCTCCGGCCCCCAAGCGG
AGGAGGCGGAACCCCTCAGAGTCAGGCTCTGAGCCCTCTTCTCACTTGATTTCAGTTGAA
AGTGGGGGTGCTGCCCTTGGAGGACGGGGCTCCCCTTCCCATCTTCTTGGAGCAGAT
CATGGCCTTCGGAAGCCAAGAAACCAAAAAAGAAAAGTAAAGAAGAGAAGACACAAGTCG
AATAGTCTGAGAGTGAGACAGACCCTGAGGAGAAAGCTGGCAAGGAGAGCGATGAGAAA
GAACAAGAACAGGACAAGGACAGGGAGCTCCAACAGGCAGAGCTCCCTAACCGTTCCCA
GGCTTTGGAATCAAGAAGGAGAAGACAGGCTGGGACACGTGAGAAAGTGAAGTGAAGTGA
GGTGAGCTGGAGAGGCGGGCGGACACTCCTACAGCAGCTGGATGATCACCAGTGA
    
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Restriction Sites: Please inquire

ACCN: NM_012272

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_012272.1</u> , <u>NP_036404.1</u>
RefSeq Size:	3698 bp
RefSeq ORF:	2577 bp
Locus ID:	25766
UniProt ID:	<u>Q6NWK9</u>
Cytogenetics:	12q13.12
Protein Pathways:	Spliceosome
Gene Summary:	<p>This gene encodes a WW-domain containing protein similar to yeast splicing factor PRP40. This protein has been shown to interact with Huntingtin and methyl CpG binding protein 2 (MeCP2). Alternative splicing results in different transcript variants. [provided by RefSeq, Aug 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses two alternate in-frame splice sites in the 3' coding region, compared to variant 1. It initiates translation at a downstream start codon. The encoded isoform (2) is shorter than isoform 1.</p>