

Product datasheet for **SC302646**

PQBP1 (NM_001032381) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PQBP1 (NM_001032381) Human Untagged Clone
Tag:	Tag Free
Symbol:	PQBP1
Synonyms:	MRX2; MRX55; MRXS3; MRXS8; NPW38; RENS1; SHS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302646 representing NM_001032381. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGCTGCCGTTGCGCTGCAGACCCGCTTGGCCAAGAGAGGCATCCTCAAACATCTGGAGCCTGAA
CCAGAGGAAGAGATCATTGCCGAGGACTATGACGATGATCCTGTGGACTACGAGGCCACCAGTTGGAG
GGCCTACCACCAAGCTGGTACAAGGTGTTGACCCCTTCTGCGGGCTCCCTTACTACTGGAATGCAGAC
ACAGACCTTGATCCTGGCTCTCCCCACATGACCCCAACTCCGTGGTTACCAAATCGGCCAAGAAGCTC
AGAAGCAGTAATGCAGATGCTGAAGAAAAGTTGGACCGGAGCCATGACAAGTCGGACAGGGGCCATGAC
AAGTCGGACCGCAGCCATGAGAACTAGACAGGGGCCACGACAAGTCAGACCGGGGCCACGACAAGTCT
GACAGGGATCGAGAGCGTGGCTATGACAAGGTAGACAGAGAGAGAGCGAGACAGGGAACGGGATCGG
GACCGCGGGTATGACAAGGCAGACCGGGAAGAGGGCAAAGAACGGCGCCACCATCGCCGGGAGGAGCTG
GCTCCCTATCCCAAGAGCAAGAAGGCAGTAAGCCGAAAGGATGAAGAGTTAGACCCCATGGACCCTAGC
TCATACTCAGACGCCCCCGGGGCACGTGGTCAACAGGACTCCCAAGCGGAATGAGGCCAAGACTGGC
GCTGACACCACAGCAGCTGGGCCCTCTCCAGCAGCGGCCGTATCCATCCCAGGGGCTGTGCTCCGG
GCCAATGCAGAGGCCTCCGAACCAAGCAGCAGGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001032381
Insert Size:	798 bp



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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_001032381.1</u>
RefSeq Size:	1014 bp
RefSeq ORF:	798 bp
Locus ID:	10084
UniProt ID:	<u>O60828</u>
Cytogenetics:	Xp11.23
Protein Families:	Transcription Factors
Protein Pathways:	Spliceosome
MW:	30.5 kDa
Gene Summary:	<p>This gene encodes a nuclear polyglutamine-binding protein that is involved with transcription activation. The encoded protein contains a WW domain. Mutations in this gene have been found in patients with Renpenning syndrome 1 and other syndromes with X-linked cognitive disability. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.[provided by RefSeq, Nov 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4, and 5 all encode the same protein (isoform 1).</p>