

## Product datasheet for **SC328266**

### **PQBP1 (NM\_144495) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	PQBP1 (NM_144495) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	PQBP1
<b>Synonyms:</b>	MRX2; MRX55; MRXS3; MRXS8; NPW38; RENS1; SHS
<b>Mammalian Cell Selection:</b>	None
<b>Vector:</b>	<u><a href="#">pCMV6-XL5</a></u>
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_144495, the custom clone sequence may differ by one or more nucleotides ATGCCGCTGCCCGTTGCGCTGCAGACCCGCTTGGCCAAGAGAGGCATCCTCAAACATCTG GAGCCTGAACCAGAGGAAGAGATCATTGCCGAGGACTATGACGATGATCCTGTGGACTAC GAGGCCACCAGGTTGAGGGCCTACCACCAAGCTGGTACAAGGTGTTCCGACCTTCCTGC GGGCTCCCTTACTACTGGAATGCAGACACAGACCTTGTATCCTGGCTCTCCCCACATGAC CCCAACTCCGTGGTTACCAAATCGGCCAAGAAGCTCAGAAGCAGTAATGCAGCAGTAAGC CGAAAGGATGAAGAGTTAGACCCCATGGACCCTAGCTCATACTCAGACGCCCCCGGGGC ACGTGGTCAACAGGACTCCCAAGCGGAATGAGGCCAAGACTGGCGCTGACACCACAGCA GCTGGGCCCTCTCCAGCAGCGCCGTATCCATCCCCAGGGGCTGTGCTCCGGGCCAAT GCAGAGGCTCCCGAACCAAGCAGCAGGATTGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_144495
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).



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**Reconstitution Method:**

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:** [NM\\_144495.2](#), [NP\\_652766.1](#)

**RefSeq Size:** 797 bp

**RefSeq ORF:** 513 bp

**Locus ID:** 10084

**UniProt ID:** [O60828](#)

**Cytogenetics:** Xp11.23

**Protein Families:** Transcription Factors

**Protein Pathways:** Spliceosome

**Gene Summary:** 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]  
Transcript Variant: This variant (7) contains a different 5' UTR and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting protein (isoform 3) is shorter when it is compared to isoform 1. Variant 7 is also known as variant PQBP-1d.