

Product datasheet for **RG229617**

PQBP1 (NM_001167992) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PQBP1 (NM_001167992) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PQBP1
Synonyms: MRX2; MRX55; MRXS3; MRXS8; NPW38; RENS1; SHS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229617 representing NM_001167992
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCTGCCGTTGCGCTGCAGACCCGCTTGGCCAAGAGAGGCATCCTCAAACATCTGGAGCCTGAAC
CAGAGGAAGAGATCATTGCCGAGGACTATGACGATGATCCTGTGGACTACGAGGCCACCGTTGGAGGG
CCTACCACCAAGCTGGTACAAGGTGTTCCGACCTTCTGCGGGCTCCCTTACTACTGGAATGCAGACCGG
GAAGAGGGCAAAGAACGGCGCCACCATCGCCGGGAGGAGCTGGCTCCCTATCCAAGAGCAAGAAGGCAG
TAAGCCGAAAGGATGAAGAGTTAGACCCCATGGACCTAGCTCATACTCAGACGCCCCCGGGGCACGTG
GTCAACAGGACTCCCCAAGCGGAATGAGGCCAAGACTGGCGCTGACACCAGCAGCAGCTGGGCCCTCTTC
CAGCAGCGGCCGTATCCATCCCCAGGGGCTGTGCTCCGGCCAATGCAGAGGCCTCCCGAACCAAGCAGC
AGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229617 representing NM_001167992
Red=Cloning site Green=Tags(s)

MPLPVALQTRLAKRGILKHLPEPEEEIIAEDYDDDPVDYEATRLEGLPPSWYKVFDPSCGLPYYWNADR
EEGKERRHHRREELAPYPKSKKAVSRKDEELDPMDPSSYSAPRGTWSTGLPKRNEAKTGADTTAAGPLF
QQRYPSPGAVLRANAASRTKQQD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

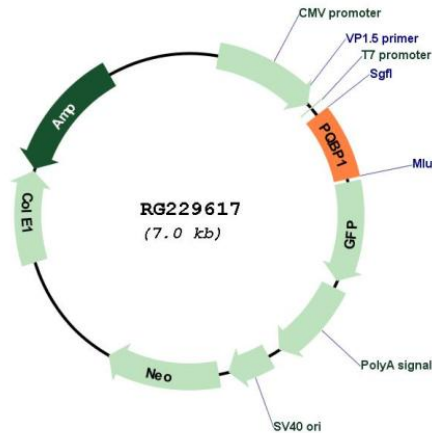


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001167992

ORF Size: 495 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001167992.1, NP_001161464.1</u>
RefSeq Size:	611 bp
RefSeq ORF:	498 bp
Locus ID:	10084
UniProt ID:	<u>O60828</u>
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]