

**PQBP1, 1-265aa, Human, His tag, E.coli**

**Cat.NO.: TP03511**

3th Edition

**Synonyms:** Polyglutamine binding protein 1, MRX55, MRXS3, MRXS8, NPW38, RENS1, SHS.

**Description:** Polyglutamine binding protein 1, also known as PQBP1, is a transcription repressor that associates with polyglutamine tract-containing transcription regulators and causative genes for neurodegenerative disorders. PQBP-1 localizes to the nucleus and is present in neurons throughout the brain, with abundant levels in hippocampus, cerebellar cortex and olfactory bulb. PQBP-1 contains a WWP/WW domain that binds proline-rich motifs and a C2 domain that can influence Ca<sup>2+</sup>-dependent phospholipid signaling.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:** 33 kDa (289aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMPLPVALQTRLAKRGILKHLEPEPEEEIIAEDYDDDPVDYEATRLEGLPPS  
WYKVFDPSCGLPYYWNADTDLVSWLSPHDPNSVVTKS AKKLRSSNADAEKLRSHDKSDRGHDKSDRSHEKLD  
RGHDKSDRGHDKSDRDRERERERERERDRDRGYDKADREEGKERRHHRREELAPYPKSKKAVSRK  
DEELDPMDPSSYS DAPRGTWSTGLPKRNEAKTGADTTAAGPLFQQRYPYSPGAVLRANAEASRTKQQD

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.