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**Product Data Sheet**


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Product Name: PQBP1 Human

Cat. No.: GP24221

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Golyglutamine binding protein 1; Polyglutamine tract-binding protein 1; 38kDa nuclear protein containing a WW domain; mental retardation X-linked 55; Sutherland-Haan X-linked mental retardation syndrome; Npw38; MRXS3; MRX55; MRXS8; RENS1; SHS.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMPLPVA LQTRLAKRGI LKHLEPEPEE EIIAEDYDDD PVDYEATRLE GLPPSWYKVF DPSCGLPYYW NADTDLVSWL SPHDPNSVVT KSAKCLRSSN ADAEEKLDRS HDKSDRGHDK SDRSHEKLDLDR GHDKSDRGHD KSDRDRERGY DKVDREERERD RERDRDRGYD KADREEGKER RHRREELAP YPKSKKAVSR KDEELDPMDP SSYSDAPRGT WSTGLPKRNE AKTGADTTAA GPLFQQRYPY SPGAVLRANA EASRTKQQD		
Formulation	The PQBP1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 100mM NaCl and 20% glycerol.		

**Introduction**

PQBP1 is a transcription repressor which is connected to polyglutamine tract-containing transcription regulators and connective genes for neurodegenerative disorders. PQBP1 is restricts to the nucleus and can be found in neurons all over the brain, with high levels in hippocampus, olfactory bulb and cerebellar cortex. PQBP1 holds a WWP/WW domain that binds proline-rich motifs and a C2 domain which is able to stimulate Ca<sup>2+</sup>-dependent phospholipid signaling.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

PQBP1 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 289 amino acids (1-265) and having a molecular mass of 33.0kDa. PQBP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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