Recombinant Human Polyglutamine Binding Protein 1, His-tagged

Cat. No. PQBP1-6773H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanPQBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Polyglutaminebinding protein 1, also known as PQBP1, is a transcription repressor thatassociates with polyglutamine tract-containing transcription regulators andcausative genes for neurodegenerative disorders. PQBP-1 localizes to thenucleus and is present in neurons throughout the brain, with abundant levelsin hippocampus, cerebellar cortex and olfactory bulb. PQBP-1 contains aWWP/WW domain that binds proline-rich motifs and a C2 domain that caninfluence Ca2+-dependent phospholipid signaling
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Molecular Weight	33 kDa (289aa),confirmed by MALDI-TOF
Purity	> 95% by SDS -PAGE
Concentration	0.5 mg/ml(determined by Bradford assay)

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Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMPLPVA LQTRLAKRGI LKHLEPEPEE EIIAEDYDDD PVDYEATRLE GLPPSWYKVFDPSCGLPYYWNADTDLVSWL SPHDPNSVVT KSAKKLRSSN ADAEEKLDRS HDKSDRGHDK SDRSHEKLDRGHDKSDRGHD KSDRDRERGY DKVDRERERD RERDRDRGYD KADREEGKER RHHRREELAP YPKSKKAVSRKDEELDPMDP SSYSDAPRGT WSTGLPKRNE AKTGADTTAA GPLFQQRPYP SPGAVLRANA EASRTKQQD
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.

GENE INFORMATION

Gene Name	PQBP1 polyglutamine bindingprotein 1 [Homo sapiens]
Official symbol	PQBP1
Synonyms	polyglutaminebinding protein 1; SHS; NPW38; mental retardation, X-linked 55; Polyglutaminetract-binding protein 1; Sutherland-Haan X-linked mental retardationsyndrome; 38 kDa nuclear protein containing a WW domain; OTTHUMP00000025809;OTTHUMP00000025812; MRX55; nuclear protein containing WW domain 38 kD; MRXS3;polyglutamine-binding protein 1; MRXS8; RENS1; PQBP-1; OTTHUMP00000025808
Gene ID	10084
mRNA Refseq	NM_005710
Protein Refseq	NP_005701
MIM	300463

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Uniprot ID	O60828
Chromosome Location	Xp11.23
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conservedbiosystem
Function	DNA binding; transcription coactivator activity

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