

32-4492: Recombinant Human Polyglutamine Binding Protein 1

Alternative Name : Polyglutamine binding protein 1, Polyglutamine tract-binding protein 1, 38kDa nuclear protein containing a WW domain, mental retardation X-linked 55, Sutherland-Haas X-linked mental retardation syndrome, Npw38, MRXS3, MRX55, MRXS8, RENS1, SHS.

Description

Source : E.coli. 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. PQBP1 is a transcription repressor which is connected to polyglutamine tract-containing transcription regulators and connective genes for neurodegenerative disorders. PQBP1 is restricted 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 Ca²⁺-dependent phospholipid signaling.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The PQBP1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 100mM NaCl and 20% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHMPLPVA LQTRLAKRGI LKHLEPEPEE EIIAEDYDDD PVDYEATRL
 GLPPSWYKVF DPSCGLPYW NADTDLVSWL SPHDPNSVVT KSAKKLRSSN ADAEEKLDRS
 HDKSDRGHD SDRSHEKLD RGHDKSDRGHD KSDRDRERGY DKVDRERERD RERDRDRGYD
 KADREEGKER RHHRREELAP YPKSKKAVSR KDEELDPMDP SSYSDAPRGT WSTGLPKRNE AKTGADTTAA
 GPLFQQRYP SPGAVLRANA EASRTKQQD

