

## Recombinant Human PQBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PQBP1-5715H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PQBP1 MS Standard C13 and N15-labeled recombinant protein (NP_001027555) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 30.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MPLPVALQTRLAKRGILKHLEPEPEEEIIAEDYDDDPVDYEATRLEGLPPSWYKVFDP<br>SCGLPYWYNADTDLVSWLSPHDPNSVVTKSAKKLRSSNADAEKLDKSHDKSDRG<br>HDKSDRSHEKLDKRGHDKSDRGHDKSDRDRERGRYDKVDRERERDRERDRDRGYD<br>KADREEGKERRHHRREELAPYPKSKKAVSRKDEELDPMDPSSYSAPRGTWSTGL<br>PKRNEAKTGADTTAAGPLFQQRPYPSPGAVLRANAASRTKQQDTRTRPLEQKLIS<br>EEDLAANDILDYKDDDDKV                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                            |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

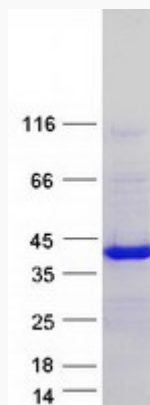
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PQBP1 polyglutamine binding protein 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | PQBP1                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | PQBP1; polyglutamine binding protein 1; mental retardation, X linked 55, MRX55, MRXS8, RENS1, SHS, Sutherland Haan X linked mental retardation syndrome; polyglutamine-binding protein 1; polyglutamine tract-binding protein 1; nuclear protein containing WW domain 38 kD; 38 kDa nuclear protein containing a WW domain; SHS; MRX55; MRXS3; MRXS8; NPW38; RENS1; |
| <b>Gene ID</b>         | 10084                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_001032383                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_001027555                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>             | 300463                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | O60828                                                                                                                                                                                                                                                                                                                                                              |

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**SDS-PAGE**

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