

## Recombinant Human PTBP2 protein, His-tagged

Cat. No. PTBP2-83H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                           |
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| Product Overview | Recombinant Human PTBP2, fused with N-His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                  |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                     |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                    |
| ProteinLength    | 546aa(including fusion tag)                                                                                                                                                                                                                                                                                                                               |
| Description      | RNA-binding protein which binds to intronic polypyrimidine tracts and mediates negative regulation of exons splicing. May antagonize in a tissue-specific manner the ability of NOVA1 to activate exon selection. Beside its function in pre-mRNA splicing, plays also a role in the regulation of translation. Isoform 5 has a reduced affinity for RNA. |
| Form             | 20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.                                                                                                                                                                                                                                                                                                             |
| Molecular Mass   | 59.4kDa(including fusion tag)                                                                                                                                                                                                                                                                                                                             |
| Applications     | WB, ELISA, IP, antibody production, protein array                                                                                                                                                                                                                                                                                                         |
| Storage          | Store at -80centigrade and avoid repeated freeze-thaw cycles                                                                                                                                                                                                                                                                                              |

### GENE INFORMATION

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Gene Name | PTBP2 polypyrimidine tract binding protein 2 [ Homo sapiens ] |
|-----------|---------------------------------------------------------------|

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | <a href="#">PTBP2</a>                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | PTBP2; polypyrimidine tract binding protein 2; polypyrimidine tract-binding protein 2; brPTB; nPTB; PTB; PTBLP; PTB-like protein; splicing regulator; neurally-enriched homolog of PTB; neural polypyrimidine tract binding protein; neural polypyrimidine tract-binding protein; nPTB5; nPTB6; nPTB7; nPTB8; FLJ34897; |
| <b>Gene ID</b>             | <a href="#">58155</a>                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | <a href="#">NM_021190</a>                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | <a href="#">NP_067013</a>                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | <a href="#">608449</a>                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | <a href="#">Q9UKA9</a>                                                                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 1p21.3                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | mRNA processing, organism-specific biosystem;                                                                                                                                                                                                                                                                           |
| <b>Function</b>            | mRNA binding; nucleotide binding;                                                                                                                                                                                                                                                                                       |