

# Recombinant Human PMPCB, GST-tagged

**Cat. No.** PMPCB-281H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PMPCB (1 a.a. - 490 a.a.) was fused with GST-tag at N-terminal.                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene is a member of the peptidase M16 family and encodes a protein with a zinc-binding motif. This protein is located in the mitochondrial matrix and catalyzes the cleavage of the leader peptides of precursor proteins newly imported into the mitochondria, though it only functions as part of a heterodimeric complex. |
| <b>Molecular Mass</b>   | ~26kD                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>        | This protein is not active and should not be used for experiments requiring activity.                                                                                                                                                                                                                                             |
| <b>Applications</b>     | WB; ELISA; PA                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80°C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                         |
| <b>OfficialSymbol</b>   | PMPCB                                                                                                                                                                                                                                                                                                                             |

## GENE INFORMATION

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b> | PMPCB peptidase (mitochondrial processing) beta [Homo sapiens]               |
| <b>Synonyms</b>  | PMPCB; peptidase (mitochondrial processing) beta; MPPB; P-52; MPP11; MPPP52; |

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|                            |                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
|                            | Beta-MPP; mitochondrial-processing peptidase subunit beta; mitochondrial processing peptidase beta subunit; EC 3.4.24.64 |
| <b>Gene ID</b>             | <a href="#">9512</a>                                                                                                     |
| <b>mRNA Refseq</b>         | <a href="#">NM_004279</a>                                                                                                |
| <b>Protein Refseq</b>      | <a href="#">NP_004270</a>                                                                                                |
| <b>MIM</b>                 | <a href="#">603131</a>                                                                                                   |
| <b>UniProt ID</b>          | <a href="#">O75439</a>                                                                                                   |
| <b>Chromosome Location</b> | 7q22.1                                                                                                                   |
| <b>Pathway</b>             | Metabolism of proteins; Mitochondrial Protein Import                                                                     |
| <b>Function</b>            | metal ion binding; metalloendopeptidase activity; zinc ion binding                                                       |

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