

## Protein Tyrosine Phosphatase, Mitochondrial 1 Human Recombinant

|                                          |                                                                                                                                                                                                                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item Number</b>                       | rAP-1525                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>                          | Protein-tyrosine phosphatase mitochondrial 1, PTEN-like phosphatase, Phosphoinositide lipid phosphatase, PTPMT1, MOSP, PLIP, DUSP23, PNAS-129.                                                                                                                                         |
| <b>Description</b>                       | PTPMT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 199 amino acids (28-201) and having a molecular mass of 22.6kDa. PTPMT1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. |
| <b>Uniprot Accession Number</b>          | Q8WUK0                                                                                                                                                                                                                                                                                 |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSHMKVPGR AHRDWYHRID PTVLLGALPL RSLTRQLVQD EN-VRGVITMN EEYETRFLCN SSQEWKRLGV EQLRLSTVDM TGIPTLDNLQ KGVQFALKYQ SLGQCVYVHC KAGRSRSATM VAAYLIQVHK WSPEEAVRAI AKIRSYIHIR PGQLDVLKEF HKQITARATK DGTFFVISKT.                                                          |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                      |
| <b>Physical Appearance and Stability</b> | Sterile Filtered colorless solution. 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.              |
| <b>Formulation and Purity</b>            | The PTPMT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl. Greater than 95.0% as determined by SDS-PAGE.                                                                                                                               |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                        |
| <b>Solubility</b>                        |                                                                                                                                                                                                                                                                                        |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                        |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**