

PTPMT1, 28-201 aa, Human, His tag E.coli

Cat.NO.: TP03597

3th Edition

Synonyms:Protein tyrosine phosphatase, mitochondrial 1, DUSP23, FLJ46081, MOSP, PLIP, PNAS-129.

Description:PTPMT1 (protein tyrosine phosphatase mitochondrial 1), also known as MOSP or PLIP (phosphoinositide lipid phosphatase) and previously known as DUSP23, is a widely expressed PTP membrane protein with high expression levels in pancreatic beta cells. This protein exclusively localizes to the matrix face of the inner membrane of the mitochondrion. It is responsible for dephosphorylating mitochondrial proteins and therefore plays a significant role in the production of ATP and secretion of insulin.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

Molecular Weight:22.6 kDa (199aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMKVPGRAHRDWHYHRIDPTVLLGALPLRSLTRQLVQDENVRGVITMNEEYE
TRFLCNSSQEWKRLGVEQLRLSTVDMTGIPTLNQLKGVQFALKYQSLGQCVYVHCKAGRSRSATMVAAYLIQVH
KWSPEEAVRAIAKIRSYIHIRPGQLDVLKEFHKQITARATKDGTFVISKT

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.