

IMPA1, 1-277aa, Human, His tag, E.coli

Cat.NO.: TP02653

3th Edition

Synonyms:Inositol monophosphatase 1, IMPA, IMP, IMPase 1

Description:IMPA1 (inositol monophosphatase1) is responsible for the provision of inositol required for synthesis of phosphatidylinositol and polyphosphoinositides. It plays a key role in the phosphatidylinositol signaling pathway by catalyzing the hydrolysis of inositol monophosphates.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Molecular Weight:32.3 kDa(297aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMADPWQECMDYAVTLARQAGEVVCEAIKNEMNVMLKSSPVDLVTATDQKVEKM
LISSIKEKYP SHSFIGEESVAAGEKSILTDNPTWIIDPIDGTTNFVHRFPFVAVSIGFAVNKKIEFGVVYSCVEGKMYTA
RKGKGAF CNGQKLQVSQQEDITKSLLVTELGSSRTPETVRMVLSNMEKLF CIPVHGIRSVGTAAVNMCLVATGGAD
AYYEMGIHCWDVAGAGIIVTEAGGVLMDVTGGPFDLMSRRVIAANNRILAEERIAKEIQVIPLQRDDED

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.