

## Inositol Monophosphatase 1 Human Recombinant

<b>Item Number</b>	rAP-1499
<b>Synonyms</b>	Inositol monophosphatase 1, IMP 1, IMPase 1, Inositol-1(or 4)-monophosphatase 1, Lithium-sensitive myo-inositol monophosphatase A1, IMPA1, IMPA, IMP.
<b>Description</b>	IMPA1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 297 amino acids (1-277 a.a.) and having a molecular mass of 32.3kDa. The IMPA1 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P29218
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MADPWQECMD YAVTLARQAG EVVCEAIKNE MNVMLKSSPV DLVTATDQKV EKMLISSIKE KYP SHFIGE ESVAAGEKSI LTNPTWIID PIDGTTNFVH RFPFVAVSIG FAVNKKIEFG VVYSCVEGKM YTARKGKGAF CNGQKLQVSQ QEDITKSLLV TELGSSRTPE TVRMVLS- NME KLF CIPVHGI RSVGTA AVNM CLVATGGADA YYEMGIHCWD VAGAGIIVTE AGGVLMDVTG GPFDLMSRRV IAANNRILAE RIAKEIQVIP LQRDDED.
<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 IMPA1 solution (1mg/ml) contains 20mM Tris-HCl Buffer (pH 8.0) and 10% Glycerol. 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**