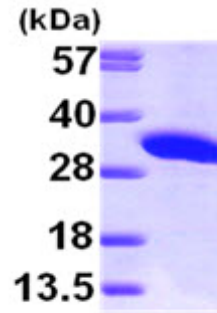


AR09675PU-L**Human Inositol monophosphatase / IMPA1 (1-277, His-tag) - Purified**

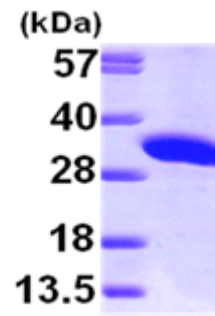
Alternate names:	IMPA, IMPase 1, Inositol-1(or 4)-monophosphatase, Lithium-sensitive myo-inositol monophosphatase A1
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	IMPA1 (inositol monophosphatase1) is responsible for the provision of inositol required for synthesis of phosphatidylinositol and polyphosphoinositides. It plays a key role in the phosphatidylinositol signaling pathway by catalyzing the hydrolysis of inositol monophosphates. This protein has been identified as the pharmacological target for lithium action in the brain.
Uniprot ID:	P29218
NCBI:	NP_005527
GeneID:	3612
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Description:	Recombinant human IMPA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATP PKRSCPSFSA SSEGTRIKKI SIEGNIAAGK STFVNILKQL CEDWEVPEP VARWCNVQST QDEFEELTMS QKNGGNLQOM MYEKPERWSF TFQTYACLSR IRAQLASLNG KDKDAEKPVL FFERSVYSR YIFASNLYES ECMNETEWI YQDWHDMNN QFGQSLDLDG I IYLQATPET CLHRIYLRGR NEEQGIPLYEY LEKLHYKHES WLLHRTLKTN FDYDQEVPII TLDVNEFDK KYESLVEKVK EFLSTL Molecular weight: 32.3 kDa (297aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Schapiro MB., et al. (2002) Neurobiol Aging. 23(3):389-96.

Pictures:

Recombinant human IMPA1 (1-277), His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)