

IMPA2 recombinant protein

IMPA2, 1-288aa, Human, His tag, E Coli

CATALOG # AAA48662	HOST E Coli	APPLICATIONS SDS-Page
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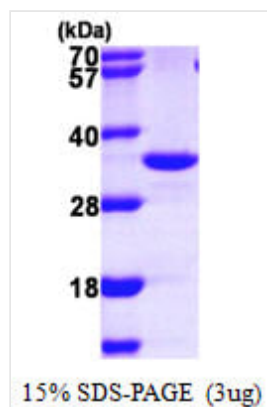
PRODUCT SYNONYMS

IMPA2; 1-288aa; Human; His tag; E Coli; Inositol monophosphatase 2; Inositol (myo)-1 (or 4)-monophosphatase 2; IMPA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 2mM DTT.
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MKPSGEDQAA LAAGPWEECF QAAVQLALRA GQIRKALTE EKRVTSTSA ADLVTETDHL VEDLIISLR ERFPSHRFIA EAAAASGAKC VLTHSPTWII DPIDGTCNFV HRFPTVAVSI GFAVRQELEF GVIYHCTEER LYTGRRGRGA FCNGQRLRVS GETDLSKALV LTEIGPKRDP ATCLKFLSNM ERLLHAKAHG VRVIGSSTLA LCHLASGAAD AYYQFGLHCW DLAAATVIIR EAGGIVIDTS GGPLDLMACR VVAASTREMA MLIAQALQTI NYGRDDEK
Sequence Length	288
Applicable Applications for IMPA2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IMPA2 recombinant protein	IMPA2 belongs to the inositol monophosphatase family. This protein can use myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates. IMPA2 has been implicated as the pharmacological target for lithium Li (+) action in brain. IMPA2 is thought to play a role in schizophrenia and bipolar disorder. Recombinant human IMPA2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for IMPA2 recombinant protein	Metabolism
References	Sjoholt G., et al. (2000) Mol Psychiatry. 5 (2):172-80. ; Yoshikawa T., et al. (1997) Mol Psychiatry. 2 (5):393-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657236
NCBI GeneID	3613
NCBI Accession #	NP_055029
NCBI GenBank Nucleotide #	NM_014214.2
UniProt Accession #	O14732; Q9UJT3; B0YJ29
Molecular Weight	33.5 kDa (308aa), confirmed by MALDI-TOF
NCBI Official Full Name	inositol monophosphatase 2
NCBI Official Synonym Full Names	inositol monophosphatase 2
NCBI Official Symbol	IMPA2
NCBI Protein Information	inositol monophosphatase 2
UniProt Protein Name	Inositol monophosphatase 2
UniProt Gene Name	IMPA2
UniProt Synonym Gene Names	IMP.18P; IMP 2; IMPase 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.