

Recombinant Human IMPA2, His-tagged

Cat. No. IMPA2-29492TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human IMPA2 with an N terminal His tag ; predicted mwt: 33.5 kDa;
Species	Human
Source	E.coli
ProteinLength	288 amino acids
Description	This locus encodes an inositol monophosphatase. The encoded protein catalyzes the dephosphorylation of inositol monophosphate and plays an important role in phosphatidylinositol signaling. This locus may be associated with susceptibility to bipolar disorder.
Conjugation	HIS
Molecular Weight	33.500kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, pH 8
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MKPSGEDQAA LAAGPWEECF QAAVQLALRA
GQIRKALTE EKRVTKTSA ADLVTETDHL VEDLISEL RERFPSHRFIA
EEAAASGAKC VLTHSPTWII DPIDGTCNFV HRFPTVAVSI GFAVRQELEF
GVIYHCTEER LYTGRRGRGA FCNGQRLRVS GETDLSKALV LTEIGPKRDP
ATLKLFLSNM ERLHAKAHG VRVIGSSTLA LCHLASGAAD AYYQFGLHCW
DLAAATVIIR EAGGIVIDTS GGPLDLMACR VVAASTREMA MLIAQALQTI
NYGRDDEK

Sequence Similarities

Belongs to the inositol monophosphatase family.

GENE INFORMATION

Gene Name	IMPA2 inositol(myo)-1(or 4)-monophosphatase 2 [Homo sapiens]
Official Symbol	IMPA2
Synonyms	IMPA2; inositol(myo)-1(or 4)-monophosphatase 2; inositol monophosphatase 2;
Gene ID	3613
mRNA Refseq	NM_014214
Protein Refseq	NP_055029
MIM	605922
Uniprot ID	O14732

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	18p11.2
Pathway	D-myo-inositol (1,4,5)-trisphosphate degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Inositol phosphate metabolism, Ins(1,3,4,5)P4 => Ins(1,3,4)P3 =>
Function	hydrolase activity; inositol monophosphate phosphatase activity; metal ion binding; protein homodimerization activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA