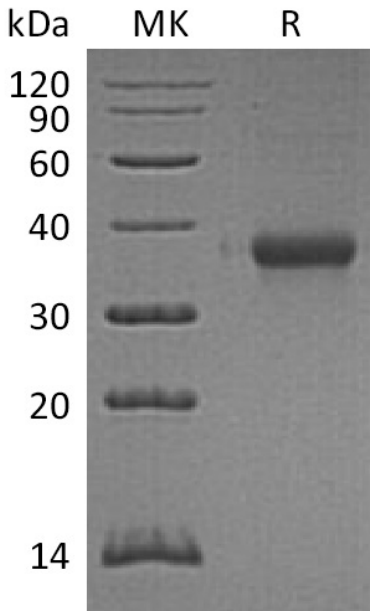
Product Name: Recombinant Mouse IMPA3 (N-6His)
Catalog #: PHM0953

Summary

Name	Inositol Monophosphatase 3/IMPAD1/IMP3/IMPA3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Inositol Monophosphatase 3 is produced by our Mammalian expression system and the target gene encoding Glu51-His356 is expressed with a 6His tag at the N-terminus.
Accession #	Q80V26
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	34.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Mouse IMPA3 (N-6His)
Catalog #: PHM0953



Alternative Names

Inositol monophosphatase 3; Impad1

Background

IMPAD1 protein (IMPA3, gPAPP or IMPase 3) belongs to the inositol monophosphatase family. It is found in Purkinje cells, brain stem, lung and chondrocytes. Mouse IMPAD1 gene encodes a type II transmembrane Golgi-embedded glycoprotein with 356 amino acid residues which generates a 306 amino acid residues mature protein after processing. It is expressed in embryo, and in theory may catalyze myo-inositol monophosphate to myo-inositol. Free myo-inositol is used to generate inositol phospholipid, an essential component of intracellular signaling pathways that mobilize calcium. Mouse IMPAD1 exhibits 91% sequence identity with the human homologue.

Note

For Research Use Only , Not for Diagnostic Use.