

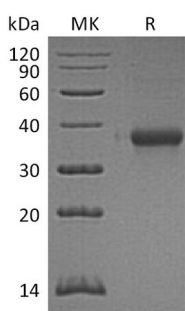
**Product Name: Recombinant Mouse IMPA3 (N-6His)**  
**Catalog #: PHM0953**



## Summary

<b>Name</b>	Inositol Monophosphatase 3/IMPAD1/IMP3/IMPA3
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	Q80V26
<b>Host</b>	Human Cells
<b>Species</b>	Mouse
<b>Predicted Molecular Mass</b>	34.3 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Inositol monophosphatase 3; Impad1
<b>Background</b>	IMPAD1 protein (IMPA3, gPAPP or IMPase 3) belongs to the inositol monophosphatase family. It is found in Purkinje cells, brain stem, lung and

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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.