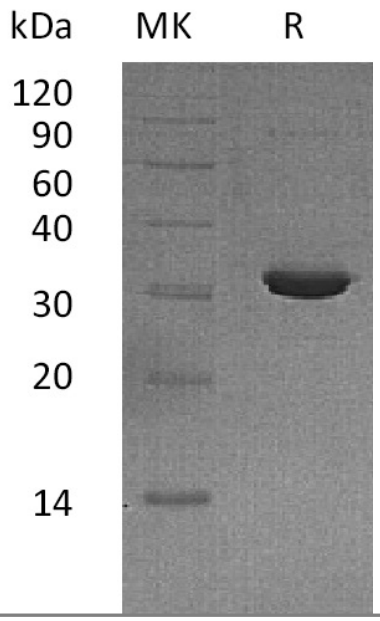
Product Name: Recombinant Human IMPase2 (N-6His)
Catalog #: PEH0952

Summary

Name	Inositol monophosphatase 2/IMPA2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Inositol Monophosphatase 2 is produced by our E.coli expression system and the target gene encoding Met1-Lys288 is expressed with a 6His tag at the N-terminus.
Accession #	O14732
Host	E.coli
Species	Human
Predicted Molecular Mass	33.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 2mM DTT, pH 8.0.
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



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Alternative Names

Inositol Monophosphatase 2; IMP 2; IMPase 2; Inositol-1(or 4)-Monophosphatase 2; Myo-Inositol Monophosphatase A2; IMPA2; IMP.18P

Background

Inositol monophosphatase 2, also known as Inositol-1(or 4)-monophosphatase 2, Myo-inositol monophosphatase A2 and IMPA2, is an enzyme which belongs to the inositol monophosphatase family. IMPA2 catalyzes the dephosphoylration of inositol monophosphate with cofactor Magnesium and Inhibited by high Li+ and restricted Mg2+ concentrations. IMPA2 plays an important role in phosphatidylinositol signaling. IMPA2 can use the myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2-AMP as substrates. IMPA2 is a pharmacological target for lithium Li(+) action in brain, it is considered to have a role in schizophrenia and bipolar disorder.

Note

For Research Use Only , Not for Diagnostic Use.