

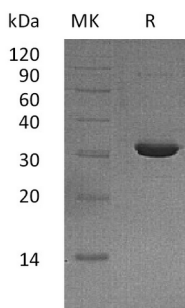
Product Name: Recombinant Human IMPase2 (N-6His)
Catalog #: PEH0952



概述 (Summary)

英文全称	Inositol monophosphatase 2/IMPA2
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (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
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	33.5 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 2mM DTT, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (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.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names) Inositol Monophosphatase 2; IMP 2; IMPase 2; Inositol-1(or 4)-

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背景介绍 (References)

Monophosphatase 2; Myo-Inositol Monophosphatase A2; IMPA2; IMP.18P
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 dephosphorylation of inositol monophosphate with cofactor Magnesium and Inhibited by high Li^+ and restricted Mg^{2+} 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.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.