

Recombinant Human Inositol Monophosphatase 2/IMPase 2 Protein(N-6His)

Cat.NO.: TP05812

3th Edition

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

Description: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 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.

Form:PBS

Molecular Weight:33.5 kDa

Sequences:Met 1-Lys288

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.