

32-4014: IMPAD1 Recombinant Protein

Alternative Name :

Inositol monophosphatase 3,IMP 3,IMPase 3,EC 3.1.3.25,EC 3.1.3.7,Golgi 3-prime phosphoadenosine 5-prime phosphate 3-prime phosphatase,Golgi-resident PAP phosphatase,gPAPP,Inositol monophosphatase domain-containing protein 1,Inositol-1(or 4)-

Description

Source : Escherichia Coli. IMPAD1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (34-359 a.a) and having a molecular mass of 37.6kDa.IMPAD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Inositol monophosphatase 3 (IMPAD1) belongs to the inositol monophosphatase family. IMPAD1 is restricted to the Golgi apparatus and catalyzes the hydrolysis of phosphoadenosine phosphate (PAP) to adenosine monophosphate (AMP). IMPAD1 gene mutations cause the GRAPP type chondrodysplasia with joint dislocations, and a pseudogene of the IMPAD1 gene is located on the long arm of chromosome 1.

Product Info

Amount :

20 µg

Purification :

Greater than 90.0% as determined by SDS-PAGE.

Content :

IMPAD1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 20% glycerol.

Storage condition :

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

