

Recombinant Full Length Human IMPAD1 Protein, GST-tagged

Cat. No. IMPAD1-5863HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human IMPAD1 full-length ORF (AAH17797.1, 1 a.a. - 359 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

Protein Length 359 amino acids

Description This gene encodes a member of the inositol monophosphatase family. The encoded protein is localized to the Golgi apparatus and catalyzes the hydrolysis of phosphoadenosine phosphate (PAP) to adenosine monophosphate (AMP). Mutations in this gene are a cause of GRAPP type chondrodysplasia with joint dislocations, and a pseudogene of this gene is located on the long arm of chromosome 1. [provided by RefSeq, Dec 2011]

Molecular Mass 65.1 kDa

AA Sequence

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MAPMGIRLSPLGVAVFCLLGLGVLYHLYSGFLAGRFSFLGGLGGEPPGGGAAGPAAAA
DGGTVDLREMLAVSVLAAVRGGDEVRRRVRESNVLHEKSKGKTREGAEDKMTSGDV
LSNRKMFYLLKTAFPSVQINTEEHVDAADQEVILWDHKIPEDILKEVTPKEVPAESVT
VWIDPLDATQEYTEDLRKYVTTMVCVAVNGKPMGLGVIHKPFSEYTAWAMVDGGSNV
KARSSYNEKTPRIVVSRSHSGMVKQVALQTFGNQTTIIPAGGAGYKVLALLDVPDKS
QEKADLYIHVTYIKKWDICAGNAILKALGGHMTTSLGEEISYTGSDGIEGGLLASIRMN
HQALVRKLPDLEKTGHK
    
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	IMPAD1 inositol monophosphatase domain containing 1 [Homo sapiens]
Official Symbol	IMPAD1
Synonyms	IMPAD1; inositol monophosphatase domain containing 1; inositol monophosphatase 3; FLJ20421; IMPA3; IMPase 3; golgi-resident PAP phosphatase; myo-inositol monophosphatase A3; inositol-1(or 4)-monophosphatase 3; inositol monophosphatase domain-containing protein 1; Golgi 3-prime phosphoadenosine 5-prime phosphate 3-prime phosphatase; GPAPP; IMP 3; IMP-3;
Gene ID	54928
mRNA Refseq	NM_017813
Protein Refseq	NP_060283
MIM	614010

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UniProt ID

Q9NX62

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