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32-13270: IMPAD1 Mouse

Alternative Name :	Inositol monophosphatase 3, IMP 3, IMPase 3, 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)-monophosphatase 3 Myo-inositol monophosphatase A3, Impad1, Impa3.

Description

Source: Sf9 Insect cells.
Sterile Filtered colorless solution.
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.
IMPAD1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 332 amino acids (34-356aa) and having a molecular mass of 36.2kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).IMPAD1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	IMPAD1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% 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.
Amino Acid :	ADPGRFSLFG LGSEPAAGEA EVASDGGTVD LREMLAVAVL AAERGGDEVR RVRESNVLHE KSKGKTREGA DDKMTSGDVL SNRKMFYLLKÂ TAFPNVQINT EEHVDASDKE VIVWNRKIPE DILKEIAAPK EVPAESVTVW IDPLDATQEY TEDLRKYVTT MVCVAVNGKP VLGVIHKPFSÂ EYTAWAMVDG GSNVKARSSY NEKTPKIIVS RSHAGMVKQV ALQTFGNQTS IIPAGGAGYK VLALLDVPDM TQEKADLYIH VTYIKKWDIC AGNAILKALG GHMTTLNGEE ISYTGSDGIE GGLLASIRMN HQALVRKLPD LEKSGHHHHH HH.

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