
Impad1, 34-356aa, Mouse, His-tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP02657

3th Edition

Synonyms:Inositol monophosphatase 3, IMPAD1, 1110001C20Rik, AA408880, AI451589, AL022796, B230207P20, gPAPP, Jaws.

Description:IMPAD1, also known as inositol monophosphatase 3, may play a role in the formation of skeletal elements derived through endochondral ossification, possibly by clearing adenosine 3', 5'-bisphosphate produced by Golgi sulfotransferases during glycosaminoglycan sulfation. Recombinant mouse IMPAD1, fused to His-tag at Cterminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:36.2kDa (332aa), 28-40KDa (SDS-PAGE under non-reducing conditions.)

Sequences:

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ADPGRFSLFGLGSEPAAGEAEVASDGGTVDLREMLAVAVLAAERGGDEVRRVRESNVLHEKSKGKTREGADDKM
TSGDVLNRMKMFYLLKTAFPNVQINTEEHVDASDKEVIVWNRKIPEDILKEIAAPKEVPAESVTVWIDPLDATQEYTE
DLRKYVTTMVCVAVNGKPVLGVIHKPFSEYTAWAMVDGGSNVKARSSYNEKTPKIIVSRSHAGMVKQVALQTFGN
QTSIIPAGGAGYKVLALLDVPDMTQEKADLYIHVTYIKKWIDICAGNAILKALGGHMTTLNGEEISYTGSDGIEGGLLAS
IRMNHQALVRKLPDLEKSGHHHHHHH
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Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.