

**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:**

ADPGRFSLFGLGSEPAAGEAEVASDGGTVDLREMLAVAVLAAERGGDEVRRVRESNVLHEKSKGKTREGADDKM  
TSGDVLNRMKFYLLKTAFPNVQINTEEHVDASDKEVIVWNRKIPEDILKEIAAPKEVPAESVTWIDPLDATQEYTE  
DLRKYVTTMVCVAVNGKPVLGVIHKPFSEYTAWAMVDGGSNVKARSSYNEKTPKIIVSRSHAGMVKQVALQTFGN  
QTSIIPAGGAGYKVLALLDVPDMTQEKADLYIHVTYIKKWIDICAGNAILKALGGHMTTLNGEEISYTGSDGIEGGLLAS  
IRMNHQALVRKLPDLEKSGHHHHHHH

**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.