

Recombinant mouse IMPAD1 protein

Catalog Number: ATGP3324

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

34-356aa

UniProt No.

Q80V26

NCBI Accession No.

NP_808398

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

36.2 kDa (332aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 C-

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terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPGRFSLFG LGSEPAAGEA EVASDGGTVD LREMLAVAVL AAERGGDEVV RVRESNVLHE KSKGKTREGA DDKMTSGDVL
SNRKM FYLLK TAFPNVQINT EEHV D ASDKE VIVWNRKIPE DILKEIAAPK EVPAESVTWV IDPLDATQEY TEDLRKYVTT
MVCVAVNGKP VLGVIHKPFS EYTAWAMVDG GSNVKARSSY NEKTPKIIVS RSHAGMVKQV ALQTFGNQTS IIPAGGAGYK
VLALLDVPDM TQEKADLYIH VTYIKKWDIC AGNAILKALG GHMTTLNGEE ISYTGSDGIE GLLASIRMN HQALVRKLPD
LEKSGHHHHH HH

General References

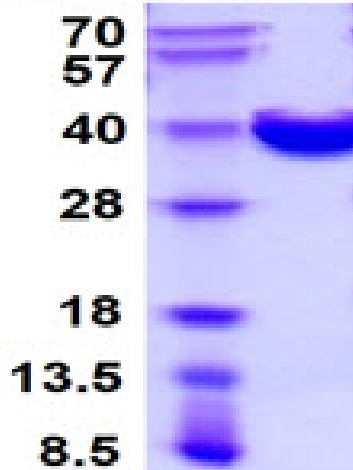
Strott CA. (2002) *Endocr Rev.* 23:703-732.

Frederick JP., et al. (2008) *Proc Natl Acad Sci U S A.* 105:11605-11612.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)