

# Mouse IMPAD1 Bioactive Recombinant Protein



RPPB3746

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## Product Information    Protein Information

**Product SKU:**

RPPB3746

**Accession:**

Q80V26

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

IMPAD1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 332 amino acids (34-356a.a.) 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.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

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.

**Formulation:**

IMPAD1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

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 Sequence:**

ADPGRFSLFG LGSEPAAGEA EVASDGGTVD LREMLAVAVL AAERGGDEV RRVRESNVLHE KSKGKTREGA  
DDKMTSGDVL SNRKM FYLLK TAFPVQINT EEHVDASDKE VIVWNRKIPE DILKEIAAPK EVPAESVTW  
IDPLDATQEY TEDLRKYVTT MVCVAVNGKP VLGVIHKPFS EYTAWAMVDG GSNVKARSSY NEKTPKIIVS  
RSHAGMVKQV ALQTFGNQTS IIPAGGAGYK VLALLDVPDM TQEKADLYIH VTYIKKWDIC AGNAILKALG  
GHMTTLNGEE ISYTGSDGIE GLLASIRMN HQALVRKLPD LEKSGHHHHH HH.

**Biological Activity:**

Specific activity is > 5,000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze Adenosine 3, 5-diphosphate per minute at pH 7.5 at 25C.