

Human IMPAD1 Recombinant Protein



RPPB3744

Product Information Protein Information

Product SKU:

RPPB3744

Accession:

Q9NX62

Host:

Escherichia Coli.

Protein description:

IMPAD1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (34-359 a.a.) and having a molecular mass of 37.6kDa.IMPAD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Inositol monophosphatase 3, IMP 3, IMPase 3, EC 3.1.3.25, EC 3.1.3.7, 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, GPAPP, IMP-3

Formulation:

The IMPAD1 solution (0.25mg/ml) contains Phosphate-Buffered Saline (pH 7.4).

Purity:

Greater than 90.0% 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:

MGSSHHHHHH SGLVPRGSH MGSGRFLSLFG LGGEPGGGAA GPAAAADGGT VDLREMLAVS VLA AVRGGDE
VRRVRESNVL HEKSKGKTRE GAEDKMTSGD VLSNRKMFYL LKTAFPSVQI NTEHVDAAD QEVILWDHKI
PEDILKEVTT PKEVPAESVT VWIDPLDATQ EYTEDLRKYV TTMVCVAVNG KPMLGVIHKP FSEYTAWAMV
DGGSNVKARS SYNEKTPRIV VSRSHGMVK QVALQTFGNQ TTIIPAGGAG YKVLALLDVP DKSQEKADLY
IHVTYIKKWD ICAGNAILKA LGGHMTTSLG EEISYTGSDG IEGLLASIR MNHQALVRKL PDLEKTGHK

Biological Activity:

Specific activity is > 3300pmol/min/ug, and is defined as its ability to dephosphorylate adenosine 3'5'-diphosphate sodium salt at pH7.5, 25°C.