Recombinant Human INPP4A protein, His & T7-tagged

Cat. No. INPP4A-1866H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INPP4A aa. (Met1~Thr137 (Accession # Q96PE3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Thr137
Description	This gene encodes an Mg++ independent enzyme that hydrolyzes the 4-position phosphate from the inositol ring of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate. Multiple transcript variants encoding distinct isoforms have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

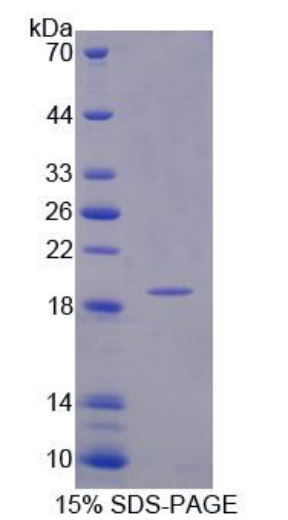
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	accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	5.7

GENE INFORMATION

Gene Name	INPP4A inositol polyphosphate-4-phosphatase type I A [Homo sapiens (human)]
Official Symbol	INPP4A
Synonyms	INPP4A; inositol polyphosphate-4-phosphatase type I A; INPP4; TVAS1; type I inositol 3,4-bisphosphate 4-phosphatase; inositol polyphosphate-4-phosphatase, type I, 107kD; inositol polyphosphate-4-phosphatase, type I, 107kDa
Gene ID	3631
mRNA Refseq	NM_001134224.1
Protein Refseq	NP_001127696.1
UniProt ID	Q96PE3

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SDS-PAGE	 15% SDS-PAGE

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