

Recombinant Human INPP4A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. INPP4A-2352H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	INPP4A MS Standard C13 and N15-labeled recombinant protein (NP_001127696) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	109.8 kDa
AA Sequence	MTAREHSPRHGARARAMQRASTIDVAADMLGLSLAGNIQDPDEPILEFSLACSELHT PSLDRKPNSFVAVSVTTPPQAFWTKHAQTEIIEGTNNPIFLSSIAFFQDSLINQMTQVK LSVYDVKDRSQGTMYLLGSGTFIVKDLLQDRHRLHLTLRSAESDRVGNITVIGWQM EEKSDQRPPVTRSVDTVNGRMVLPVDESLEALGIRSKYASLRKDTLLKSVFGGAIC RMYRFPTTDGNHLRILEQMAESVLSLHVPRQFVKLLLEEDAARVCELEELGELSPCW ESLRRQIVTQYQTIILTYQENLTDLHQYRGPSFKASSLKADKKLEFVPTNLHIQRMRV QDDGGSDQNYDIVTIGAPAAHCQGFKSGGLRKKLHKFEETKKHFEECCTSSGCQSII YIPQDVVRAKEIIAQINTLKTQVSYYAERLSRAAKDRSATGLERTLAILADKTRQLVTV CDCKLLANSIHGLNAARPDYIASKASPTSTEEQVMLRNDQDTLMARWTGRNSRSS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LQVDWHEEEWEKVWLNVDKSLECIQVRVDKLLQKERLHGEGCEDVFPCAGSCTSKK
 GNPDSHAYWIRPEDPFCDPSSPCPSTMPSTACHPHLTTHCSPPEESSPGEWSE
 ALYPLLTTLTDCVAMMSDKAKKAMVFLLMQDSAPTATYLSLQYRRDVVFCQTLTALI
 CGFIIKLRNCLHDDGFLRQLYTIGLLAQFESLLSTYGEELAMLEDMSLGIMDLRNVTFK
 VTQATSSASADMLPVITGNRDGFNVVRVPLPGPLFDALPREIQSGMLLRVQPVLFNVG
 INEQQTLAERFGDTSLQEVINVESLVRLNSYFEQFKEVLPEDCLPRSRSTCLPELLR
 FLGQNVHARKNKNVDILWQAAEICRRLNGVRFTSCKSAKDRTAMSVTLEQCLILQHE
 HGMAPQVFTQALECMRSEGCRRRENTMKNVGSRKYAFNSLQLKAFPKHYRPPEGTY
 GKVETTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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, 107kDa; inositol polyphosphate 4 phosphatase, type I, 107kD, INPP4; type I inositol 3,4-bisphosphate 4-phosphatase; type I inositol-3,4-bisphosphate 4-phosphatase; INPP4; TVAS1;

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Gene ID	3631
mRNA Refseq	NM_001134224
Protein Refseq	NP_001127696
MIM	600916
UniProt ID	Q96PE3
SDS-PAGE	