

Recombinant Human INPP5K, His-tagged

Cat. No. INPP5K-31407TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 51-372 of Human SKIP isoform 2, with N terminal His tag; 332 amino acids, 39kDa.
Species	Human
Source	E.coli
ProteinLength	51-372 a.a.
Description	This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this protein may negatively regulate the actin cytoskeleton. Alternatively spliced transcript variants encoding different isoforms have been identified.
Conjugation	HIS
Tissue specificity	Ubiquitously expressed with highest levels in skeletal muscle, heart and kidney.
Form	Lyophilised:Reconstitution with 94 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

GNKGGVNICLKLYGYYVSIINCHLPPHISNNYQRLEHFDR ILEMQNCEGRDIPNILDH
DLIIWFGDMNFRIEDFGLHF VRESIKNRCYGGGLWEKDQLSIAKKHDPLLREFQEGRL
L FPPTYKFDRNSNDYDTSEKKRKPWTDRILWRLKRQPC AGPDTPIPPASHFSLSL
RGYSSHMTYGISDHKPVSGTF DLELKPLVSAPLIVLMPEDLWTVENDMMVSYSSSTS
DFP SSPWDWIGLYKVGLRDVNDYVSYAWVGDSKVSCSDNLN QVYIDISNIPTTEDE
FLLCYYSNSLRSVVGISRPFQIPPG SLREDPLGEAQPQI

Sequence Similarities

Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type II family.

GENE INFORMATION

Gene Name

INPP5K inositol polyphosphate-5-phosphatase K [Homo sapiens]

Official Symbol

INPP5K

Synonyms

INPP5K; inositol polyphosphate-5-phosphatase K; inositol polyphosphate 5-phosphatase K; skeletal muscle and kidney enriched inositol phosphatase; SKIP;

Gene ID

51763

mRNA Refseq

NM_001135642

Protein Refseq

NP_001129114

MIM

607875

Uniprot ID

Q9BT40

Chromosome Location

17p13.3

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Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; 3-phosphoinositide degradation, conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem;
Function	hydrolase activity; inositol 1,3,4,5-tetrakisphosphate 5-phosphatase activity; inositol bisphosphate phosphatase activity; inositol trisphosphate phosphatase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity;

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