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 VRESIKNRCYGGLWEKDQLSIAKKHDPLLREFQEGRL L FPPTYKFDRNSNDYDTSEKKRKPAWTDRILWRLKRQPC AGPDTPIPPASHFSLSL RGYSSHMTYGISDHKPVSGTF DLELKPLVSAPLIVLMPEDLWTVENDMMVSYSSTS 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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