

# Recombinant Full Length Human INPP5K Protein, GST-tagged

Cat. No. INPP5K-5975HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Human INPP5K full-length ORF ( AAH04362, 1 a.a. - 448 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** In Vitro Cell Free System

**ProteinLength** 448 amino acids

**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. [provided by RefSeq]

**Molecular Mass** 74.8 kDa

**AA Sequence**

```
MSSRKLSGPKGRRLSIHVVTWNVASAAPPLDLSDLLQLNNRNLNPDYVIGLQELNS
GIISLLSDAAFNDSSFLMDVLSPLSFIKIVSHVRMQGILLLVFAKYQHLPYIQLSTKS
TPTGLFGYWGNKGGVNICLKLYGYYVSIINCHLPPHISNNYQRLEHFDRILEMQNCE
GRDIPNILDHDLIIWFGDMNFRIEDFGLRFVRESIKNRCYGGWLEKQDQLSIKHKDPLL
REFQEGRLLFPPTYKFDRNSNDYDTSEKKRKPWTDRLWRLKRQPCAGPDTPIPP
ASHFSLSLRGYSSHMTYGISDHKPVSGTFDLELKPLVSAPLIVLMPEDLWTVENDMM
VSYSTSDFPSSPWDWIGLYKVGLRDVNDYVSYAWVGDSKVSCSDNLNQVYIDISNI
PTTEDEFLLCYYSNSLRSVVGISRPFQIPPGSLREDPLGEAQPQI
```

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	INPP5K inositol polyphosphate-5-phosphatase K [ Homo sapiens ]
<b>Official Symbol</b>	INPP5K
<b>Synonyms</b>	INPP5K; inositol polyphosphate-5-phosphatase K; inositol polyphosphate 5-phosphatase K; skeletal muscle and kidney enriched inositol phosphatase; SKIP; skeletal muscle and kidney-enriched inositol phosphatase; PPS;
<b>Gene ID</b>	51763
<b>mRNA Refseq</b>	NM_001135642
<b>Protein Refseq</b>	NP_001129114
<b>MIM</b>	607875
<b>UniProt ID</b>	Q9BT40

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