

## Recombinant Human INPP5E cell lysate

Cat. No. INPP5E-862HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. Studies of the mouse counterpart suggest that this protein may hydrolyze phosphatidylinositol 3,4, 5-trisphosphate and phosphatidylinositol 3,5-bisphosphate on the cytoplasmic Golgi membrane and thereby regulate Golgi-vesicular trafficking.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	INPP5E inositol polyphosphate-5-phosphatase, 72 kDa [ Homo sapiens ]
<b>Official Symbol</b>	INPP5E
<b>Synonyms</b>	INPP5E; inositol polyphosphate-5-phosphatase, 72 kDa; JBTS1, Joubert syndrome 1; 72 kDa inositol polyphosphate 5-phosphatase; CORS1; PPI5PIV; phosphatidylinositol

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4,5-bisphosphate 5-phosphatase; phosphatidylinositol-4,5-bisphosphate 5-phosphatase; phosphatidylinositol (4,5) bisphosphate 5-phosphatase; phosphatidylinositol polyphosphate 5-phosphatase type IV; CPD4; JBTS1; MORMS; MGC117201;

**Gene ID** [56623](#)

**mRNA Refseq** [NM\\_019892](#)

**Protein Refseq** [NP\\_063945](#)

**MIM** [613037](#)

**UniProt ID** [Q9NRR6](#)

**Chromosome Location** 9q34.3

**Pathway** 3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phosphatidylinositol signaling system, organism-specific biosystem; Phosphatidylinositol signaling system, conserved biosystem;

**Function** hydrolase activity; inositol-polyphosphate 5-phosphatase activity; phosphatidylinositol-4,5-bisphosphate 5-phosphatase activity;

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