



# Recombinant Human 72 kDa inositol polyphosphate 5-phosphatase (INPP5E)

<b>Product Code</b>	CSB-EP873641HU
<b>Abbreviation</b>	INPP5E
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NRR6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPSKAENLRP SEPAPQPPEG RTLQGQLPGA PPAQRAGSPP DAPGSESPAL ACSTPATPSG EDPPARAAPI APRPPARPRL ERALSLDDKG WRRRRFRGSQ EDLEARNGTS PSRGSVQSEG PGAPAHSCSP PCLSTSLQEI PKSRGVLSSSE RGSPSSGGNP LSGVASSSPN LPHRDAAVAG SSPRLPSLLP PRPPPALS LD IASDSLRTAN KVDSLADYK LRAQPLL VRA HSSLGPGRPR SPLACDDCSL RSAKSSFSLL APIRSKD VRS RSYLEGSLLA SGALLGADEL ARYFPDRNVA LFVATWNMQG QKELPPSLDE FLLPAEADYA QDLYVIGVQE GCSDRREWET RLQETLGPHY VLLSSAAHGV LYMSLFIRRD LIWFCSEVEC STVTTRIVSQ IKTKGALGIS FTFFGTSFLF ITSHFTSGDG KVAERLLDYT RTVQALVLPR NVPDTNPYRS SAADVTTTRFD EVFWFGDFNF RLSGGRTVVD ALLCQGLVVD VPALLQHDQL IREMRKGSIF KGFQEPDIHF LPSYKFDIGK DTYDSTSKQR TPSYTDRVLY RSRHKGD ICP VSYSSCPGIK TSDHRPVYGL FRVKVRPGRD NIPLAAGKFD RELYLLGIKR RISKEIQRQQ ALQSQNSSTI CSVS
<b>Source</b>	E.coli
<b>Target Names</b>	INPP5E
<b>Protein Names</b>	Recommended name: 72 kDa inositol polyphosphate 5-phosphatase EC=3.1.3.36 Alternative name(s): Phosphatidylinositol 4,5-bisphosphate 5-phosphatase Phosphatidylinositol polyphosphate 5-phosphatase type IV
<b>Expression Region</b>	1-644
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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