

Recombinant Human INPP5B protein, His-tagged

Cat. No. INPP5B-3633H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human INPP5B protein(1-309 aa), fused with N-terminal His tag, was expressed in E.coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-309 aa |
| Form | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| AASequence | MDQSVAIQETLAEGEYCVIAVQGVLCEGDSRQSRLGLVRYRLEHGGQEHALFLYT HRRMAITGDDVSLDQIVPVS RDFTLEEVS PDGELYILGSDVTVQLD TAELSLVFQLPF GSQTRMFLHEVARACPGFDSATRDPEFLWLSRYRCAELEEMPTPRGCNSALVTW PGYATIGGGGNSFDGLRPNKGVPMDQSSRGQDKPESLQPRQNKSKSEITDMVRS STITVSDKAHILSMQKFGLRDTIVKSHLLQKEEDYTYIQNFRFFAGTYNVNGQSPKEC LRLWLSNGIQAPDVYCVGFQELDLSKE |
| Purity | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| Storage | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid |

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [INPP5B inositol polyphosphate-5-phosphatase, 75kDa \[Homo sapiens \]](#)

Official Symbol [INPP5B](#)

Synonyms

INPP5B; inositol polyphosphate-5-phosphatase, 75kDa; inositol polyphosphate 5 phosphatase, 75kD; type II inositol 1,4,5-trisphosphate 5-phosphatase; phosphoinositide 5-phosphatase; 75 kDa inositol polyphosphate-5-phosphatase; type II inositol-1,4,5-trisphosphate 5-phosphatase; 5PTase; MGC65156; MGC71303;

Gene ID [3633](#)

mRNA Refseq [NM_005540](#)

Protein Refseq [NP_005531](#)

MIM [147264](#)

UniProt ID [P32019](#)

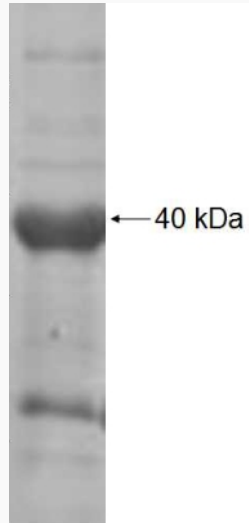
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SDS-PAGE



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