

Recombinant Human PPIP5K1 Protein, His-tagged

Cat. No. PPIP5K1-2612H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPIP5K1 Protein (Met1-Gly326) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly326
Description	This gene encodes a dual functional inositol kinase. The encoded enzyme converts inositol hexakisphosphate to diphosphoinositol pentakisphosphate and diphosphoinositol pentakisphosphate to bis-diphosphoinositol tetrakisphosphate. This protein may be important for intracellular signaling pathways. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 15.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.3 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PPIP5K1 diphosphoinositol pentakisphosphate kinase 1 [Homo sapiens (human)]
Official Symbol	PPIP5K1
Synonyms	PPIP5K1; diphosphoinositol pentakisphosphate kinase 1; HISPPD2A, histidine acid phosphatase domain containing 2A; inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1; IPS1; KIAA0377; VIP1; IP6 kinase; VIP1 homolog; insP6 and PP-IP5 kinase 1; inositol pyrophosphate synthase 1; histidine acid phosphatase domain containing 2A; histidine acid phosphatase domain-containing protein 2A; IP6K; hsVIP1; HISPPD2A; MGC51871; DKFZp313L0221;
Gene ID	9677
mRNA Refseq	NM_001130858

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Protein Refseq	NP_001124330
MIM	610979
UniProt ID	Q6PFW1

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