

Recombinant Human PPIP5K2 Protein, His-tagged

Cat. No. PPIP5K2-2613H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPIP5K2 Protein (Gly145-Lys456) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly145-Lys456
Description	This gene encodes a member of the histidine acid phosphatase family of proteins. Despite containing a histidine acid phosphatase domain, the encoded protein functions as an inositol pyrophosphate kinase, and is thought to lack phosphatase activity. This kinase activity is the mechanism by which the encoded protein synthesizes high-energy inositol pyrophosphates, which act as signaling molecules that regulate cellular homeostasis and other processes. This gene may be associated with autism spectrum disorder in human patients.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.2 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	PPIP5K2 diphosphoinositol pentakisphosphate kinase 2 [Homo sapiens (human)]
Official Symbol	PPIP5K2
Synonyms	PPIP5K2; diphosphoinositol pentakisphosphate kinase 2; HISPPD1, histidine acid phosphatase domain containing 1; inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2; KIAA0433; VIP2; hsVIP2; VIP1 homolog 2; insP6 and PP-IP5 kinase 2; inositol heptaphosphate kinase 2; histidine acid phosphatase domain containing 1; histidine acid phosphatase domain-containing protein 1; IP7K2; HISPPD1; FLJ21506; FLJ23463;
Gene ID	23262
mRNA Refseq	NM_015216

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Protein Refseq	NP_056031
MIM	611648
UniProt ID	O43314

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