

Recombinant Mouse Ip6k2 Protein, His-tagged

Cat. No. Ip6k2-1688M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ip6k2 Protein (Asn124-Glu448) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn124-Glu448
Description	<p>Predicted to enable flavonoid binding activity and inositol hexakisphosphate 5-kinase activity. Predicted to be involved in several processes, including cellular response to flavonoid; organophosphate biosynthetic process; and phosphate ion transport.</p> <p>Predicted to act upstream of or within lipid metabolic process and phosphorylation. Located in nucleus. Is expressed in several structures, including alimentary system; heart; nervous system; respiratory system; and sensory organ. Orthologous to human IP6K2 (inositol hexakisphosphate kinase 2).</p>
Form	Freeze-dried powder
Molecular Mass	<p>Predicted Molecular Mass: 41.4 kDa</p> <p>Accurate Molecular Mass: 44 kDa</p>
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	lp6k2 inositol hexaphosphate kinase 2 [Mus musculus (house mouse)]
Official Symbol	lp6k2
Synonyms	lp6k2; inositol hexaphosphate kinase 2; lhpk2; AW050208; 1500005N04Rik; inositol hexakisphosphate kinase 2; insP6 kinase 2; p(i)-uptake stimulator; piUS; EC 2.7.4.21
Gene ID	76500
mRNA Refseq	NM_029634
Protein Refseq	NP_083910
UniProt ID	Q80V72

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