

Recombinant Human IP6K2 293 Cell Lysate

Cat. No. IP6K2-5186HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for inositol hexakisphosphate kinase 2 (IP6K2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	IP6K2 inositol hexakisphosphate kinase 2 [Homo sapiens]
Official Symbol	IP6K2
Synonyms	IP6K2; inositol hexakisphosphate kinase 2; IHPK2, inositol hexaphosphate kinase 2; insp6 kinase 2; pi uptake stimulator; inositol hexaphosphate kinase 2; ATP:1D-myoinositol-hexakisphosphate phosphotransferase; PIUS; IHPK2;
Gene ID	51447
mRNA Refseq	NM_001005909
Protein Refseq	NP_001005909
MIM	606992
UniProt ID	Q9UHH9
Chromosome Location	3p21.31
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon alpha/beta signaling, organism-specific biosystem; inositol pyrophosphates biosynthesis, organism-specific biosystem; inositol pyrophosphates biosynthesis, conserved biosystem; superpathway of inositol phosphate compounds, organism-specific biosystem;

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Function

ATP binding; inositol hexakisphosphate 1-kinase activity; inositol hexakisphosphate 3-kinase activity; inositol hexakisphosphate 5-kinase activity; inositol-1,4,5-trisphosphate 3-kinase activity; kinase activity; nucleotide binding; transferase activity;

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