

Recombinant Human IP6K3 293 Cell Lysate

Cat. No. IP6K3-5185HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for inositol hexakisphosphate kinase 3 (IP6K3), 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	IP6K3 inositol hexakisphosphate kinase 3 [Homo sapiens]
Official Symbol	IP6K3
Synonyms	IP6K3; inositol hexakisphosphate kinase 3; IHPK3, inositol hexaphosphate kinase 3; INSP6K3; InsP6 kinase 3; inositol hexaphosphate kinase 3; ATP:1D-myo-inositol-hexakisphosphate phosphotransferase; IHPK3; MGC102928;
Gene ID	117283
mRNA Refseq	NM_001142883
Protein Refseq	NP_001136355
MIM	606993
UniProt ID	Q96PC2
Chromosome Location	6p21.31
Pathway	inositol pyrophosphates biosynthesis, organism-specific biosystem; inositol pyrophosphates biosynthesis, conserved biosystem; superpathway of inositol phosphate compounds, organism-specific biosystem;
Function	ATP binding; inositol hexakisphosphate 1-kinase activity; inositol hexakisphosphate 3-kinase activity; inositol hexakisphosphate 5-kinase activity; inositol

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hexakisphosphate 6-kinase activity; inositol-1,4,5-trisphosphate 3-kinase activity;
kinase activity; nucleotide binding; transferase activity;

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