

Recombinant Human IKBKE 293 Cell Lysate

Cat. No. IKBKE-5253HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon (IKBKE) 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.

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

GENE INFORMATION
Gene Name

IKBKE inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon [Homo sapiens]

Official Symbol

IKBKE

Synonyms

IKBKE; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon; inhibitor of nuclear factor kappa-B kinase subunit epsilon; IKK i; IKKE; KIAA0151; IKK-epsilon; I-kappa-B kinase epsilon; inducible IkappaB kinase; IKK-related kinase epsilon; inducible I kappa-B kinase; IKKI; IKK-E; IKK-i; MGC125294; MGC125295; MGC125297;

Gene ID

9641

mRNA Refseq

NM_001193321

Protein Refseq

NP_001180250

MIM

605048

UniProt ID

Q14164

Chromosome Location

1q31

Pathway

Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7

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mediated by TBK1/IKK epsilon, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem;

Function

ATP binding; ATP binding; IkappaB kinase activity; NF-kappaB-inducing kinase activity; nucleotide binding; protein binding; protein kinase activity; transferase activity, transferring phosphorus-containing groups;

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