Recombinant Human ILK 293 Cell Lysate

Cat. No. ILK-5219HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for integrin-linked kinase (ILK), transcript variant 2 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	ILK integrin-linked kinase [Homo sapiens]
Official Symbol	ILK
Synonyms	ILK; integrin-linked kinase; integrin-linked protein kinase; ILK-1; p59ILK; integrin-linked kinase-2; 59 kDa serine/threonine-protein kinase; P59; ILK-2; DKFZp686F1765;
Gene ID	3611
mRNA Refseq	NM_001014794
Protein Refseq	NP_001014794
MIM	602366
UniProt ID	Q13418
Chromosome Location	11p15.4
Pathway	Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-extracellular matrix interactions, organism-specific biosystem; Endometrial cancer, organism-

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	specific biosystem; Endometrial cancer, conserved biosystem;
Function	ATP binding; SH3 domain binding; integrin binding; nucleotide binding; protein binding; protein kinase binding; protein serine/threonine kinase activity; signal transducer activity;

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