Recombinant Human NEK10 293 Cell Lysate

Cat. No. NEK10-3879HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for NIMA (never in mitosis gene a)- related kinase 10 (NEK10), 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.

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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	NEK10 NIMA (never in mitosis gene a)- related kinase 10 [Homo sapiens]
Official Symbol	NEK10
Synonyms	NEK10; NIMA (never in mitosis gene a)- related kinase 10; serine/threonine-protein kinase Nek10; FLJ32685; nimA-related protein kinase 10; never in mitosis A-related kinase 10;
Gene ID	152110
mRNA Refseq	NM_199347
Protein Refseq	NP_955379
UniProt ID	Q6ZWH5
Chromosome Location	3p24.1
Function	ATP binding; binding; metal ion binding; nucleotide binding; protein serine/threonine kinase activity; protein tyrosine kinase activity; transferase activity, transferring phosphorus-containing groups;

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