

Recombinant Human AURKB 293 Cell Lysate

Cat. No. AURKB-8560HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for aurora kinase B (AURKB) 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [AURKB aurora kinase B \[Homo sapiens \]](#)

Official Symbol AURKB

Synonyms

AURKB; aurora kinase B; serine/threonine kinase 12 , STK12; Aik2; AIM 1; ARK2; AurB; aurora 1; aurora B; IPL1; PPP1R48; protein phosphatase 1; regulatory subunit 48; STK5; ARK-2; STK-1; aurora-1; aurora-B; aurora kinase B-Sv1; aurora kinase B-Sv2; aurora-related kinase 2; serine/threonine kinase 12; aurora/IPL1-related kinase 2; serine/threonine-protein kinase 5; serine/threonine-protein kinase 12; serine/threonine-protein kinase aurora-B; protein phosphatase 1, regulatory subunit 48; aurora- and lpl1-like midbody-associated protein 1; AIK2; AIM1; AIM-1; STK12; aurkb-sv1; aurkb-sv2;

Gene ID [9212](#)

mRNA Refseq [NM_001256834](#)

Protein Refseq [NP_001243763](#)

MIM [604970](#)

UniProt ID [Q96GD4](#)

Chromosome Location 17p13.1

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Pathway

APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Aurora C signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;

Function

ATP binding; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity;

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