

Recombinant Human AURKB 293 Cell Lysate

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

SPECIFICATION

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 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.

 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

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 Ipl1-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](#)

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](#),

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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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