

## Recombinant Human AURKB protein, MYC/DDK-tagged

Cat. No. AURKB-46H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AURKB fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	39.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	AURKB aurora kinase B [ Homo sapiens ]
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<b>Official Symbol</b>	<a href="#">AURKB</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">9212</a>
<b>mRNA Refseq</b>	<a href="#">NM_001256834</a>
<b>Protein Refseq</b>	<a href="#">NP_001243763</a>
<b>MIM</b>	<a href="#">604970</a>
<b>UniProt ID</b>	<a href="#">Q96GD4</a>
<b>Chromosome Location</b>	17p13.1
<b>Pathway</b>	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;

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**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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