

Recombinant Human AURKB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AURKB-5410H Lot. No. (See product label)

SPECIFICATION

Product Overview	AURKB MS Standard C13 and N15-labeled recombinant protein (NP_004208) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	39.1 kDa
AA Sequence	MAQKENSYPWPYGRQTAPSGLSTLPQRVLRKEPVTSPALVLMRSRNVQPTAAPGQ KVMENSSGTPDILTRHFTIDDIFEIGRPLGKGGKFGNVYLAREKKSHFIVALKVLFKSQIE KEGVEHQLRREIEIQAHLHHPNILRLYNYFYDRRRIYLILEYAPRGELYKELQKSCTFD EQRTATIMEELADALMYCHGKKVIHRDIKPENLLLGLKGELKIADFGWSVHAPSLRRK TMCGLDYLPPEMIEGRMHNEKVDLWCIGVLCYELLVGNPPFESASHNETYRRIVKV DLKFPASVPTGAQDLISKLLRHNPSERLPLAQVSAHPWVRANSRRVLPSPALQSVAT RTRPLEQKLISEEDLAANDILDYKDDDDKV

 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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	AURKB <i>aurora kinase B [Homo sapiens (human)]</i>
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_004217
Protein Refseq	NP_004208

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MIM 604970

UniProt ID Q96GD4

SDS-PAGE



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