

Recombinant Human Aurora Kinase B, GST-His

Cat. No. AURKB-684H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Aurora B kinase consisting of amino acids 2-344 was fused at the N-terminus to a GST-His Tag sequence. It was expressed in <i>S. frugiperda</i> insect cells using a baculovirus expression system. MW = 70000 Da.
Species	Human
Protein Length	2-344 a.a.
Description	Aurora B is a mitotic kinase that phosphorylates histone H3 and CenpA. Upregulation of Aurora B is reported in pancreatic and prostate cancers. The active kinase is useful in the study of Aurora B regulation and for inhibitor screening.
Source/Host	<i>S. frugiperda</i> .
Form	Liquid. In 100 mM NaCl, 25 mM Tris-HCl, 3 mM DTT, 50% glycerol, 0.05% Tween®-20 detergent, pH 8.0. Please refer to vial label for lot-specific concentration.
Specific Activity	≥12 units/μg protein.
Purity	≥70% by SDS-PAGE.
Unit Definition	One unit is defined as the amount of enzyme that is required to phosphorylate 1 pmol Ser/Thr 1 peptide substrate per min at 30°C, pH 7.4.
Toxicity	Standard Handling (MSDS available upon request).

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Storage ≤ -70°C. Avoid freeze/thaw Following initial thaw, aliquot and freeze (-70°C).

GENE INFORMATION

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

Synonyms AURKB; aurora kinase B ; AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; STK12; aurkb-sv1; aurkb-sv2; aurora-1; aurora-B; aurora kinase B-Sv1; aurora kinase B-Sv2; serine/threonine kinase 12; EC 2.7.11.1; Aurora- and Ipl1-like midbody-associated protein 1; Aurora-related kinase 2; Aurora/IPL1-related kinase 2

Gene ID [9212](#)

mRNA Refseq [NM_004217](#)

Protein Refseq [NP_004208](#)

MIM [604970](#)

UniProt ID [Q96GD4](#)

Chromosome Location 17p13.1

Function ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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