AURORA B (G160L) Recombinant Protein

AURORA B (G160L), Active

CATALOG #	HOST	APPLICATIONS
AAA73244	**Sf9 insect cells**	**Kinase Assay**

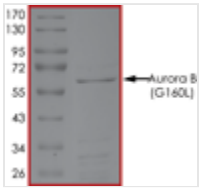
PRODUCT SYNONYMS

AURORA B (G160L); Active; AURKB; AIK2; AIM1; ARK2; AurB; IPL1; AIM-1; STK12; AURORA B (G160L) recombinant protein

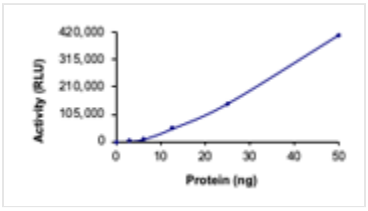
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for AURORA B (G160L) recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity
Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for AURORA B (G160L) recombinant protein	Recombinant full-length human AURORA B (G160L) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004217. AURORA B is a member of the Aurora kinase family that associates with microtubules during chromosome movement and segregation. AURORA B localizes to the microtubules near kinetochores, specifically to the specialized microtubules called K-fibers (1). AURORA B inhibits the microtubule depolymerizing activity of mitotic centromere-associated kinesin (MCAK) by phosphorylating MCAK on Ser92 (2). This phosphorylation also regulates MCAK translocalization from kinetochores to the centromere. AURORA B has been identified as a target for the development of new anticancer agents since inhibition of AURORA B gives rise to the more pronounced antiproliferative phenotype.
Product Categories/Family for AURORA B (G160L) recombinant protein	Mutant Kinases; Cancer; Cell Cycle; Ser/Thr Kinases

References	1. Shannon, K B. et al: Chromosome dynamics: new light on Aurora B kinase function. Curr Biol. 2002 Jul 9;12(13):R458-60. 2. Andrews, P. D. et al: Aurora B regulates MCAK at the mitotic centromere. Dev. Cell 6: 253-268, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004217
Molecular Weight	~68kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/aurora-b-g160l-recombinant-protein-sf9-insect-cells-kinase-assay/73244