

## AURORA B, Human, Recombinant (G160L, GST)

### General Information

Protein Construction:	Recombinant full length human AURORA B (G160L) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species:	Human
Expression Host:	Baculovirus-Insect Cells
Accession:	Q96GD4
Molecular Weight:	~68 kDa

### QC Testing

Biological Activity:	The specific activity of AURORA B (G160L) was determined to be 19.8 nmol/min/mg by ADP-Glo kinase assay, corresponding to 191.6 nmol/min/mg in the radioactive kinase assay.
Purity:	>70% as determined by SDS-PAGE.
Formulation:	Supplied as sterile 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

### Preparation and Storage

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Enzymes are highly recommended to be shipped at frozen temperature with dry ice. Shipment made at ambient temperature may seriously affect the activity of the ordered products.

### Protein Background

This Aurora B kinase gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The Aurora B kinase genes encoding the other two members of this subfamily are located on chromosomes 19 and 2. 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. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

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