

## AURORA A, Human, Recombinant (GST)

### General Information

Protein Construction:	Recombinant full length human AURORA A was expressed by baculovirus in Sf9 cells using an N-terminal GST tag.
Species:	Human
Expression Host:	Baculovirus-Insect Cells
Accession:	O14965
Molecular Weight:	~72 kDa

### QC Testing

Representative specific activity data for AURORA A were obtained using different assay formats:

Biological Activity:	- 84 nmol/min/mg, determined by radioactive kinase assay - 43 nmol/min/mg, determined by ADP-Glo kinase assay, corresponding to 77 nmol/min/mg in the radioactive kinase assay
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Different lots may be tested using different assay methods; therefore, values obtained using different assay formats are not directly comparable.

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, 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

The Aurora kinase A protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 1. Multiple transcript variants encoding the same protein have been found for this gene. Cancer Immunotherapy/Immune Checkpoint/Immunotherapy/Targeted

Therapy

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