

## Aurora Kinase A active human, Recombinant

Cat. No. NATE-0087

Lot. No. (See product label)

### Introduction

#### Description

Aurora A kinase also known as serine/threonine-protein kinase 6 is an enzyme that in humans is encoded by the AURKA gene. Aurora A is a member of a family of mitotic serine/threonine kinases. It is implicated with important processes during mitosis and meiosis whose proper function is integral for healthy cell proliferation. Aurora A is activated by one or more phosphorylations and its activity peaks during the G2 phase to M phase transition in the cell cycle.

#### Applications

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

#### Synonyms

Aurora Kinase A; Aurora A kinase; serine/threonine-protein kinase 6; AURKA; AIK; ARK1; AURA; AURORA2; BTAK; PPP1R47; STK15; STK6; STK7

### Product Information

#### Species

Human

#### Source

baculovirus infected Sf9 cells

#### Form

aqueous solution

#### Molecular Weight

mol wt 50 kDa

#### Purity

> 90% (SDS-PAGE)

#### Activity

~17,000 units/mg protein

#### Unit Definition

One unit is defined as the amount of enzyme that will phosphorylate 1 pmol of Ser/Thr 1 peptide substrate per minute at pH 7.4 and 30°C.

### Usage and Packaging

#### Package

Minimum 50 ng protein/vial by Bradford