Creative Enzymes®

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 substarte per minute at pH 7.4 and 30°C.

Usage and Packaging

Package	Minimum 50 ng protein/vial by Bradford