Active Recombinant Human AURKA Protein (2-403), N-His tagged

Cat. No. AURKA-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Aurora kinase A also known as, AURKA, Serine/Threonine-Protein Kinase Aurora-A, and Breast Tumor-Amplified Kinase, GenBank Accession No. NM_003600, a.a. 2-403 (end) with N-terminal His-tag, expressed in a HEK 293 cell expression system.
Species	Human
Source	HEK293
ProteinLength	2-403 (end)
Description	The 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 10. Multiple transcript variants encoding the same protein have been found for this gene.
Form	Aqueous buffer solution
Bio-activity	45 pmole/min/µg. Assay was done in Kinase buffer containing 2 mM DTT using KEMPtide substrate (0.2 mg/mL) and 10

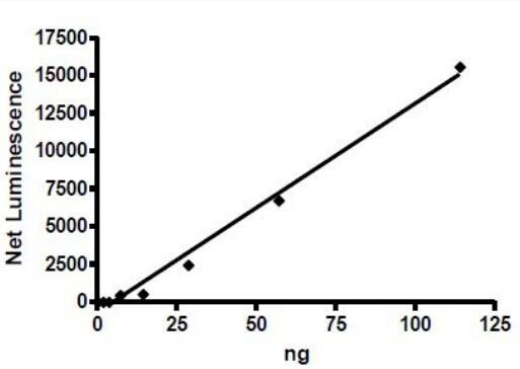
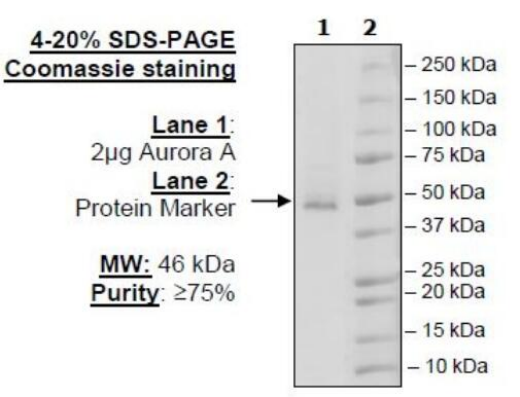
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	μM ATP. Reaction was done at 30 centigrade for 45 min. Amount of ATP transferred was calculated using ADP-Glo reagent.
Molecular Mass	46 kDa
Usage	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Notes	Avoid multiple freeze/thaw cycles
Storage	At least 6 months at –80 centigrade.
Storage Buffer	40 mM Tris pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 200mM Imidazole, 20% glycerol, and 3 mM DTT.
Shipping	At -80 centigrade

GENE INFORMATION

Gene Name	AURKA aurora kinase A [Homo sapiens (human)]
Official Symbol	AURKA
Synonyms	AURKA; aurora kinase A; AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; PPP1R47; aurora kinase A; aurora 2; aurora/IPL1-like kinase; aurora/IPL1-related kinase 1; breast tumor-amplified kinase; protein phosphatase 1, regulatory subunit 47; serine/threonine protein kinase 15; serine/threonine-protein kinase 6; serine/threonine-protein kinase aurora-A; EC 2.7.11.1
Gene ID	6790

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mRNA Refseq	NM_003600
Protein Refseq	NP_003591
MIM	603072
UniProt ID	O14965
Activity	
SDS-PAGE	

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