

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

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	2-403 (end)
<b>Description</b>	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.
<b>Form</b>	Aqueous buffer solution
<b>Bio-activity</b>	45 pmole/min/μg. Assay was done in Kinase buffer containing 2 mM DTT using KEMPtide substrate (0.2 mg/mL) and 10

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	<p>μM ATP. Reaction was done at 30 centigrade for 45 min. Amount of ATP transferred was calculated using ADP-Glo reagent.</p>
<b>Molecular Mass</b>	46 kDa
<b>Usage</b>	<p>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.</p>
<b>Notes</b>	Avoid multiple freeze/thaw cycles
<b>Storage</b>	At least 6 months at -80 centigrade.
<b>Storage Buffer</b>	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.
<b>Shipping</b>	At -80 centigrade
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">AURKA</a> <i>aurora kinase A [ Homo sapiens (human) ]</i>
<b>Official Symbol</b>	<a href="#">AURKA</a>
<b>Synonyms</b>	<p>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</p>
<b>Gene ID</b>	<a href="#">6790</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_003600
Protein Refseq	NP_003591
MIM	603072
UniProt ID	O14965

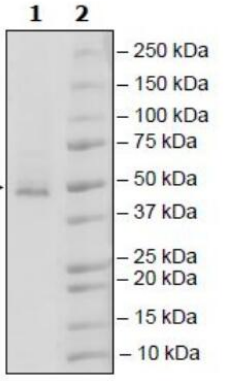
**SDS-PAGE**

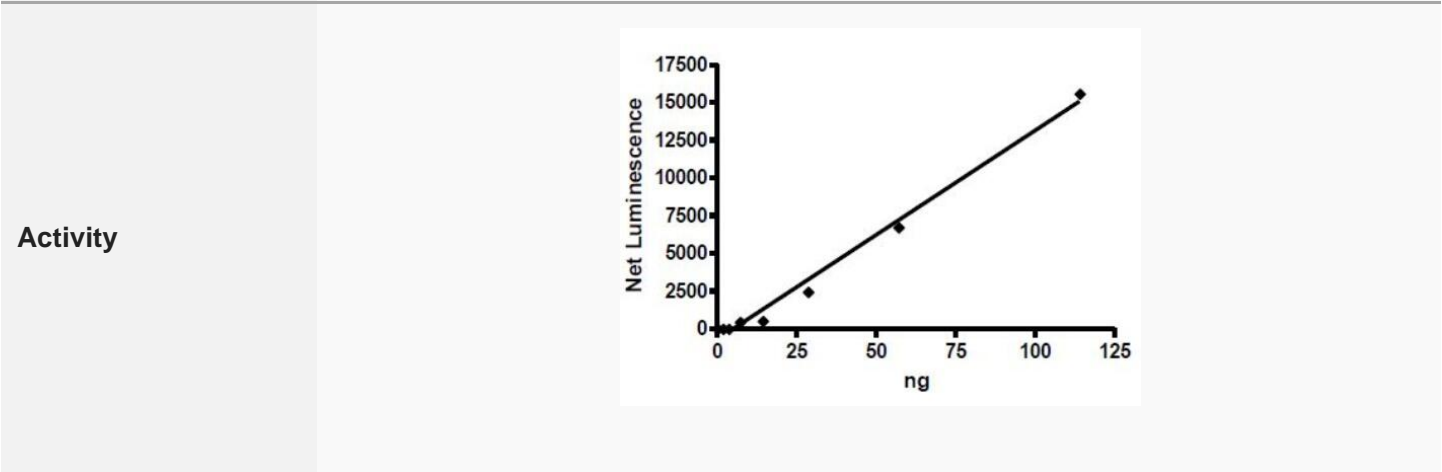
**4-20% SDS-PAGE  
Coomassie staining**

**Lane 1:**  
2µg Aurora A

**Lane 2:**  
Protein Marker

**MW:** 46 kDa  
**Purity:** ≥75%





Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA