

Recombinant Human Aurora Kinase C, GST-tagged

Cat. No. AURKC-990H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human AURKC was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	AURKC is a member of mitotic serine/threonine kinases that regulate centrosome maturation, chromosome segregation, and cytokinesis. AURKC has been shown to contribute to oncogenic transformation and is frequently overexpressed and amplified in many human tumors. AURKC overexpression has been correlated with centrosome amplification, which can be a driving cause of genomic instability in tumor cells. AURKC is an important regulator of both genomic integrity and cell cycle progression in cancer cells and is an attractive target for anticancer drug development.
Applications	Kinase Assay; Western Blot
Molecular Weight	61 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25 % glycerol.
Specific Activity	65 nmol/min/mg

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Purity	> 80 %
Concentration	0.1 ug/ul
Sequences	Full-length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Aurora B signaling; Aurora C signaling; Signaling by Aurora kinases
GENE INFORMATION	
Gene Name	AURKC aurora kinase C [Homo sapiens]
Official Symbol	AURKC
Synonyms	AURKC; aurora kinase C; AIE2; AIK3; ARK3; AurC; STK13; aurora-C; serine/threonine-protein kinase 13; ARK-3; aurora-related kinase 3; aurora/IPL1/EG2 protein 2; aurora/IPL1-related kinase 3; serine/threonine-protein kinase aurora-C; serine/threonine kinase 13 (aurora/IPL1-like); Aurora-C
Gene ID	6795
mRNA Refseq	NM_003160
Protein Refseq	NP_003151
MIM	603495

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UniProt ID	Q5Y191
Chromosome Location	19q13.43
Function	ATP binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity

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