

Recombinant Human Aurora Kinase C, GST-tagged, Active

Cat. No. AURKC-248H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human AURORAC was expressed by baculovirus in <i>Sf9</i> insect cells using an N-terminal GST tag. MW = 61 kDa.
Species	Human
Source	Sf9 Cells
Description	Aurora C is a member of mitotic serine/threonine kinases that regulate centrosome maturation, chromosome segregation, and cytokinesis. Aurora C has been shown to contribute to oncogenic transformation and is frequently overexpressed and amplified in many human tumors. Aurora C overexpression has been correlated with centrosome amplification, which can be a driving cause of genomic instability in tumor cells. Aurora C is an important regulator of both genomic integrity and cell cycle progression in cancer cells and is an attractive target for anticancer drug development.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	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.

GENE INFORMATION

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Gene Name	AURKC aurora kinase C [Homo sapiens]
Synonyms	aurora kinase C; AIE2; AIK3; ARK3; AurC; STK13; aurora-C; AURKC; aurora/IPL1/EG2 protein 2; aurora/IPL1-related kinase 3; serine/threonine kinase 13 (aurora/IPL1-like); EC 2.7.11.1; Aurora-C; Aurora/Ipl1-related kinase 3; Aurora/Ipl1/Eg2 protein 2
Gene ID	6795
mRNA Refseq	NM_001015878
Protein Refseq	NP_001015878
MIM	603495
UniProt ID	Q9UQB9
Chromosome Location	19q13.43
Function	protein serine/threonine kinase activity; ATP binding; nucleotide binding; transferase activity