

Recombinant Human AURKC

Cat. No. AURKC-27499TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length IPL-1/STK13/Aurora C protein (Human), MW ~61 kDa with N terminal enzyme tag, expressed by baculovirus in Sf9 insect cells.
Species	Human
Description	This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript variants.
Tissue specificity	Isoform 1 and isoform 2 are expressed in testis. Elevated expression levels were seen only in a subset of cancer cells such as HepG2, HuH7 and HeLa cells. Expression is maximum at M phase.
Biological activity	Specific activity 65nmol/min/mg
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequence Similarities Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Aurora subfamily. Contains 1 protein kinase domain.

Full Length Full L.

GENE INFORMATION

Gene Name [AURKC aurora kinase C \[Homo sapiens \]](#)

Official Symbol [AURKC](#)

Synonyms AURKC; aurora kinase C; serine/threonine kinase 13 (aurora/IPL1 like) , STK13; ARK3; AurC;

Gene ID [6795](#)

mRNA Refseq [NM_001015878](#)

Protein Refseq [NP_001015878](#)

MIM [603495](#)

Uniprot ID [Q9UQB9](#)

Chromosome Location 19q13.3-qter

Pathway Aurora B signaling, organism-specific biosystem; Aurora C signaling, organism-specific biosystem; Signaling by Aurora kinases, organism-specific biosystem;

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Function

ATP binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity;

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