

Recombinant Human AURKC Protein (S2-S309), GST tagged

Cat. No. AURKC-1115H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-GG-AURC(S2-S309 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	S2-S309
Description	Serine/threonine-protein kinase component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Plays also a role in meiosis and more particularly in spermatogenesis. Has redundant cellular functions with AURKB and can rescue an AURKB knockdown. Like AURKB, AURKC phosphorylates histone H3 at 'Ser-10' and 'Ser-28'. AURKC phosphorylates the CPC complex subunits BIRC5/survivin and INCENP leading to increased AURKC activity. Phosphorylates TACC1, another protein involved in cell division, at 'Ser-228'.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	AURKC aurora kinase C [Homo sapiens (human)]
Official Symbol	AURKC
Synonyms	AURKC; aurora kinase C; serine/threonine kinase 13 (aurora/IPL1 like), STK13; ARK3; AurC; ARK-3; aurora 3; aurora-related kinase 3; aurora/IPL1/EG2 protein 2; aurora/IPL1-related kinase 3; serine/threonine-protein kinase 13; serine/threonine-protein kinase aurora-C; serine/threonine kinase 13 (aurora/IPL1-like); AIE2; AIK3; SPGF5; STK13; aurora-C;
Gene ID	6795
mRNA Refseq	NM_001015878
Protein Refseq	NP_001015878
MIM	603495
UniProt ID	Q9UQB9

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