

## Recombinant Human AURKC protein, GST-tagged

**Cat. No.** AURKC-1039H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AURKC full-length ORF ( NP_001015878.1, 1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 62 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MSSPRAVVQLGKAQPAGEELATANQTAQQPSSPAMRRLTVDDFEIGRPLGKGKFG<br>NVYLARLKESHFIVALKVLFKSQIEKEGLEHQLRREIEIQAHLQHPNILRLYNYFHDAR<br>RVYLILEYAPRGELYKELQSEKLDEQRTATIIIEELADALTYCHDKKVIHRDIKPENLLL<br>GFRGEVKIADFGWSVHTPSLRRKTCMGTLDYLPPEMIEGRTYDEKVDLWCIGVLCY<br>ELLVGYPFESASHSETYRRILKVDVRFPLSMPLGARDLISRLLRYQPLERLPLAQILK<br>HPWVQAHSRRVLPPCAQMAS                                                                                                                                                                                                    |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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Antibody Production; Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

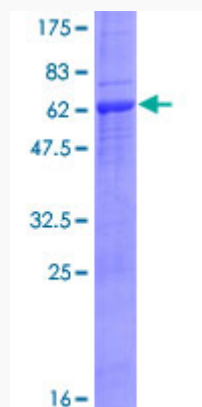
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | AURKC aurora kinase C [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | AURKC                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 6795                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001015878                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_001015878                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>             | 603495                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q9UQB9                                                                                                                                                                                                                                                                                                                                                         |

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