

Datasheet for ABIN7552489

## Aurora Kinase C Protein (AURKC) (AA 1-309) (His tag)



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### Overview

Quantity:	1 mg
Target:	Aurora Kinase C (AURKC)
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aurora Kinase C protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant AURKC Protein expressed in mammalian cells.
Sequence:	<p>MSSPRAVVQL GKAQPAGEEL ATANQTAQQP SSPAMRRLTV DDFEIGRPLG KGKFGNVYLA            RLKESHFIVA LKVLFSQIE KEGLEHQLRR EIEIQAHLQH PNILRLYNYF HDARRVYLIL            EYAPRGELYK ELQKSEKLDE QRTATIIIEEL ADALTYCHDK KVIHRDIKPE NLLLGFRGEV            KIADFGWSVH TPSLRRKTCMC GTLDYLPPPEM IEGRTYDEKV DLWCIGVLCY ELLVGYPPE            SASHSETYRR ILKVDVRFPL SMPLGARDLI SRRLLRYQPLE RLPLAQILKH PWVQAHSRRV            LPPCAQMAS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	Aurora Kinase C (AURKC)
Alternative Name:	AURKC ( <a href="#">AURKC Products</a> )
Background:	<p>Aurora kinase C (EC 2.7.11.1) (Aurora 3) (Aurora/IPL1-related kinase 3) (ARK-3) (Aurora-related kinase 3) (Aurora/IPL1/Eg2 protein 2) (Serine/threonine-protein kinase 13) (Serine/threonine-protein kinase aurora-C),FUNCTION: 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. Also plays 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'.</p> <p>{ECO:0000269 PubMed:15316025, ECO:0000269 PubMed:15499654, ECO:0000269 PubMed:15670791, ECO:0000269 PubMed:15938719, ECO:0000269 PubMed:21493633, ECO:0000269 PubMed:21531210,</p>

### Target Details

	ECO:0000269 PubMed:27332895}.
Molecular Weight:	35.6 kDa
UniProt:	<a href="#">Q9UQB9</a>
Pathways:	<a href="#">Cell Division Cycle, Maintenance of Protein Location</a>

### Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months