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Datasheet for ABIN7548741

**PLK1S1 Protein (AA 1-673) (His tag)**

## Overview

Quantity:	1 mg
Target:	PLK1S1
Protein Characteristics:	AA 1-673
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLK1S1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KIZ Protein expressed in mammalian cells.
Sequence:	MSRTLASAVP LSSPDYYERL GQLQHGLRDS EKKRLDLEKK LYEYNQSDTC RVKCLKYVKLK NYLKEICESE KKAHTRNQEY LKRFRVQAH VVHFTTNTTEK LQKCLKLEYET QIKKMLCSKD SLGLKEELTD EDREKVAVHE GINSGTAMSR GLYQPATIFM GRQMSAILSM RDFSTEHKSP QPTKNFSIPD PHSRQTAQS SNVTDSCVVQ TSNDTQCLNK SDNIDGKASL QIGEKMPVTA SVLSEEEQTH CLEIGSNTRH GKSNLSEGKK SAELNSPLRE RLSPENRTTD LKCDSSSGSE GEILTREHIE VEEKRASPPV SPIPVSEYCE SENKWSQEKH SPWEGVSDHL AHREPKSQKP FRKMQEEEEEE SWSTSSDLTI SISEDLLILE SPEPQPNPGG KMEGEDGIEA LKLIHAEQER VALSTEKNCI LQTLSSPDSE KESSTNAPTR EPGQTPDSDV PRAQVGQHVA TLKEHDNSVK EEATALLRKA LTEECGRRSA IHSSESSCSL PSILNDNSGI KEAKPAVWLN SVPTREQEVS SGCGDKSKKE NVAADIPITE TEAYQLLKKA TLQDNTNQTE NRFQKTDASV SHLSGLNIGS GAFETKTANK IASEASFSSS EGSPLSRHEN KKKPVINLKS NALWDESDDS NSEIEAALRP RNHNTDDSDD FYD <b>Sequence without tag. The proposed Purification-Tag is based on</b>

## Product Details

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**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.**

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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.

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Characteristics: Key Benefits:

- 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.

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

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Grade: custom-made

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## Target Details

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Target: PLK1S1

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Alternative Name: KIZ ([PLK1S1 Products](#))

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Background: Centrosomal protein kizuna (Polo-like kinase 1 substrate 1),FUNCTION: Centrosomal protein required for establishing a robust mitotic centrosome architecture that can endure the forces that converge on the centrosomes during spindle formation. Required for stabilizing the expanded pericentriolar material around the centriole. {ECO:0000269|PubMed:16980960}.

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Molecular Weight: 75.1 kDa

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UniProt: [Q2M2Z5](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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