

Datasheet for ABIN7557446

## RIKEN cDNA 4930404A10 Gene (4930404A10RIK) (AA 1-434) protein (His tag)



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### Overview

Quantity:	1 mg
Target:	RIKEN cDNA 4930404A10 Gene (4930404A10RIK)
Protein Characteristics:	AA 1-434
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Custom-made recombinant Meikin Protein expressed in mammalian cells.
Sequence:	MDKIWHMGPR GDYTRKKRAG ERLNLTPKPD LALPGRTEAL PGLKGGKKEQ GLRKITEKKE LSRLTGSSSQ RPSLLSVTGG EHLQENSPGQ ETPEEKTPPC ETVTDTFEMD SLLSSTELVS GPAEQDDFSS CLPSCSNAEL HTESTDERGS SFPSPELFRG SDCLDWEHPK LEDYMFYKNS TLLDTSKAVV IEKAPQFANL SAVLSSSSKN YEKRHRKIGM TLAQHLSPK PKYASNLASV VDNAASEVVF AEKTPPTTE KTQKKPENES EDSGPLVQTK LSSGHPDNKA LCSPLSSALE STAVRYTLLP QPLEPVLKKG CILPDKQSKA LLTSTPSSDI AEFVIDLSPV QNVSFEELFP NVSNYVNSSE VVPVSSLQES SSNEFSPNTS EICCIIRSSP GTRQMRRKDP AVKNRCSPPK DVPLDIIMKT NGRT <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>
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.

## Product Details

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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

## Target Details

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### Target:

RIKEN cDNA 4930404A10 Gene (4930404A10RIK)

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### Alternative Name:

Meikin ([4930404A10RIK Products](#))

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### Background:

Meiosis-specific kinetochore protein,FUNCTION: Key regulator of kinetochore function during meiosis I: required both for mono-orientation of kinetochores on sister chromosomes and protection of centromeric cohesin from separase-mediated cleavage. Acts by facilitating kinetochore mono-orientation during meiosis I, when kinetochores on sister chromosomes face the same direction and are thus captured and pulled by spindle fibers from the same pole. Also required to prevent cleavage of cohesin at centromeres during meiosis I, possibly by acting as a regulator of the shugoshin-dependent protection pathway. Acts in collaboration with PLK1: required for PLK1 enrichment to kinetochores. Not required during meiosis II or mitosis. {ECO:0000269|PubMed:25533956}.

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### Molecular Weight:

47.4 kDa

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### UniProt:

[Q5F2C3](#)

## 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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