

Datasheet for ABIN7556170  
**PSMC4 Protein (AA 1-418) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	PSMC4
Protein Characteristics:	AA 1-418
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMC4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Psmc4 Protein expressed in mammalian cells.
Sequence:	<p>MEEIGILVEK IQDEIPALSV SRPQTGLSFL GPEPEDLEDL YSRYYKKLQQE LEFLEVQEEY IKDEQKNLKK EFLHAQEEVK RIQSIPLVIG QFLEAVDQNT AIVGSTTGSN YYVRILSTID RELLKPNASV ALHKHSNALV DVLPEADSS IMMLTSDQKP DVMYADIGGM DIQKQEVREA VELPLTHFEL YKQIGIDPPR GVLMYGPPGC GKTMLAKAVA HHTTAAFIRV VGSEFVQKYL GEGPRMVRDV FRLAKENAPA IIFIDEIDAI ATKRFDAQTG ADREVQRILL ELLNQMDGFD QNVNVKVIMA TNRADTLDPA LLRPGRLDRK IEFPLPDRRQ KRLIFSTITS KMNLSEEVDL EDYVARPDKI SGADINSICQ ESGMLAVREN RYIVLAKDFE KAYKTVIKKD EQEHEFYK <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.

## 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:

PSMC4

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### Alternative Name:

Psmc4 ([PSMC4 Products](#))

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### Background:

26S proteasome regulatory subunit 6B (26S proteasome AAA-ATPase subunit RPT3) (CIP21) (MB67-interacting protein) (MIP224) (Proteasome 26S subunit ATPase 4) (Tat-binding protein 7) (TBP-7),FUNCTION: Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC4 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides. {ECO:0000250|UniProtKB:P43686}.

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### Molecular Weight:

47.4 kDa

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### UniProt:

[P54775](#)

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## Target Details

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Pathways: [Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA, Ubiquitin Proteasome Pathway](#)

## 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.

Restrictions: For Research Use only

## Handling

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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