

Datasheet for ABIN7551019  
**PSMA4 Protein (AA 1-261) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PSMA4
Protein Characteristics:	AA 1-261
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PSMA4 Protein expressed in mammalian cells.
Sequence:	MSRRYDSRTT IFSPEGRLYQ VEYAMEAIGH AGTCLGILAN DGVLLAAERR NIHKLLDEVF FSEKIYKLNE DMACSVAGIT SDANVLTNEL RLIAQRYLLQ YQEPICEQL VTALCDIKQA YTQFGGKRPF GVSLLYIGWD KHYGFQLYQS DSPGNYGGWK ATCIGNNSAA AVSMLKQDYK EGEMTLKSAL ALAIKVLNKT MDVSKLSAEK VEIATLTREN GKTIVIRVLKQ KEVEQLIKKH EEEEAKAERE KKEKEQKEKD K <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.
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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)
Grade:	custom-made

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## Target Details

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Target:	PSMA4
Alternative Name:	PSMA4 ( <a href="#">PSMA4 Products</a> )
Background:	<p>Proteasome subunit alpha type-4 (Macropain subunit C9) (Multicatalytic endopeptidase complex subunit C9) (Proteasome component C9) (Proteasome subunit L),FUNCTION: Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex). {ECO:0000269 PubMed:15244466, ECO:0000269 PubMed:27176742, ECO:0000269 PubMed:8610016}.</p>
Molecular Weight:	29.5 kDa

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## Target Details

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UniProt: [P25789](#)

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

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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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