

Datasheet for ABIN7551103  
**PSMD3 Protein (AA 1-534) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PSMD3
Protein Characteristics:	AA 1-534
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMD3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat PSMD3 Protein expressed in mammalian cells.
Sequence:	<p>           MKQEGSARRR GADKAKPPPG GGEQEPPPPP APQDVEMKEE AATGGGSTGE ADGKTA AAAA            EHSQRELDTV TLEDIKEHV KLEKAVSGKE PRFVLRALRM LPSTSRRLNH YVLYKAVQGF            FTSNNATRDF LLPFLEPM DTEADLQFRPR TGKAASTPLL PEVEAYLQLL VVIFMMNSKR            YKEAQKISDD LMQKISTQNR RALDLVAAKC YYYHARVYEF LDKLDVVRSF L HARLRTATL            RHDADGQATL LNLLLRNYLH YSLYDQAEKL VSKSVFPEQA NNNEWARYLY YTGRIKAIQL            EYSEARRTMT NALRKAPQHT AVGFKQTVHK LLIVVELLLG EIPDRLQFRQ PSLKRSLMPY            FLLTQAVRTG NLAKFNQVLD QFGEKFQADG TYTLIIRLRH NVIKTGVRMI SLSYSRISLA            DIAQKLQLDS PEDAEFIVAK AIRDGVIEAS INHEKGYVQS KEMIDIYSTR EPQLAFHQRI            SFCLDIHNMS VKAMRFPPKS YNKDLESAAE RREREQQDLE FAKEMAEDDD DSFP         </p> <p><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</b></p>

### have a special request, please contact us.

#### 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.

#### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

#### Grade:

custom-made

## Target Details

#### Target:

PSMD3

#### Alternative Name:

PSMD3 ([PSMD3 Products](#))

#### Background:

26S proteasome non-ATPase regulatory subunit 3 (26S proteasome regulatory subunit RPN3) (26S proteasome regulatory subunit S3) (Proteasome subunit p58),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. {ECO:0000269|PubMed:1317798}.

#### Molecular Weight:

61.0 kDa

#### UniProt:

[O43242](#)

#### Pathways:

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

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

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