

Datasheet for ABIN7555101

## PSMD2 Protein (AA 1-908) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	PSMD2
Protein Characteristics:	AA 1-908
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMD2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant PSMD2 Protein expressed in mammalian cells.
Sequence:	<p> MEEGGRDKAP VQPQQSPAAA PGGTDEKPSG KERRDAGDKD KEQELSEEDK QLQDELEMLV  ERLGEKDTSL YRPALEELRR QIRSSTTSMT SVPKPLKFLR PHYGKLKEIY ENMAPGENKR  FAADIISVLA MTMSGERECL KYRLVGSQEE LASWGHEYVR HLAGEVAKEW QELDDAEKVQ  REPLTLVKE IVPYNMAHNA EHEACDLLME IEQVDMLEKD IDENAYAKVC LYLTSCVNYV  PEPENSALLR CALGVFRKFS RFPEALRLAL MLNDMELVED IFTSCKDVVV QKQMAFMLGR  HGVFLELSED VEEYEDLTEI MSNVQLNSNF LALARELDIM EPKVPDDIYK THLENNRFGG  SGSQVDSARM NCLASSFVNGF VNAAFGQDKL LTDDGNKWLY KNKDHGMLSA AASLGMILLW  DVDGGLTQID KYLYSSEDIY KSGALLACGI VNSGVRNECD PALALLSDYV LHNSNTMRLG  SIFGLGLAYA GSNREDVLTLLPVMGDSKS SMEVAGVTAL ACGMIAVGSC NGDVTSTILQ  TIMEKSETEL KDTYARWLPL GLGLNHLGKG EAIEAILAAL EVVSEPFERSF ANTLVDVCAY  AGSGNVLKVQ QLLHICSEHF DSKEKEEDKD KKEKKDKDKK EAPADMGAHQ GVAVLGIALI  AMGEEIGAEM ALRTFGHLLR YGEPTLRRRAV PLALALISVS NPRLNILDTL SKFSHDADPE </p>

## Product Details

VSYSNIFAMG MVGSGTNNAR LAAMLRLQAQ YHAKDPNNLF MVRLAQGLTH LGKGTLTLCPL  
YHSDRQLMSQ VAVAGLLTVL VSFLDVRNII LGKSHYVLYG LVAAMQPRML VTFDEELRPL  
PVSVRVGQAV DVVGQAGKPK TITGFQTHTT PVLLAHGERA ELATEEFLPV TPILEGFVIL

RKNPNYDL **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.**

**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:**

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

**Target:** PSMD2

**Alternative Name:** PSMD2 ([PSMD2 Products](#))

**Background:** 26S proteasome non-ATPase regulatory subunit 2 (26S proteasome regulatory subunit RPN1) (26S proteasome regulatory subunit S2) (26S proteasome subunit p97) (Protein 55.11) (Tumor necrosis factor type 1 receptor-associated protein 2),**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

### Target Details

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}., FUNCTION: Binds to the intracellular domain of tumor necrosis factor type 1 receptor. The binding domain of TRAP1 and TRAP2 resides outside the death domain of TNFR1.

Molecular Weight:	100.2 kDa
UniProt:	<a href="#">Q13200</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a> , <a href="#">Ubiquitin Proteasome Pathway</a>

### Application Details

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

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