

Datasheet for ABIN7564746

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



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Overview

Quantity:	1 mg
Target:	PSMD2
Protein Characteristics:	AA 1-908
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Psmd2 Protein expressed in mammalian cells.
Sequence:	<p>MEEGGRDKTP VQSQQPSATT PSGADEKSSG KERRDAGEKD KEQELSEEDK QLQDELEMLV</p> <p>ERLGEKDTSL YRPALEELRR QIRSSTTSMT SVPKPLKFLR PHYGKLKEIY ENMAPGENKC</p> <p>FAADIISVLA MTMSGERECL KYRLVGSQEE LASWGHEYVR HLAGEVAKW QELDDAEKAQ</p> <p>REPLTLVKE IVPYNMAHNA EHEACDLLME IEQVDMLEKD IDENAYAKVC LYLTSCVNYV</p> <p>PEPENSALLR CALGVFRKFS RFPEALRLAL MLNDMELVED IFTSCKDVVV QKQMAFMLGR</p> <p>HGVFLELSED VEEYEDLTEI MSNVQLNSNF LALARELDIM EPKVPDDIYK THLENNRFGG</p> <p>SGSQVDSARM NLAASFVNGF VNAAFGQDKL LTDDGNKWLY KNKDHGMLSA AASLGMILLW</p> <p>DVDGGLTQID KYLYSSEDIY KSGALLACGI VNSGVRNECD PALALLSDYV LHNSNTMRLG</p> <p>SIFGLGLAYA GSNREDVLTLLPVMGDSKS SMEVAGVTAL ACGMIAVGSC NGDVTSTILQ</p> <p>TIMEKSETEL KDTYARWLPL GLGLNHLGKG EAIEAILAAL EVVSEPFRRF ANTLVDVCAY</p> <p>AGSGNVLVKQV QLLHICSEHF DSKEEKEDKD KKEKKDKDKK EAPADMGAHQ GVAVLGIALI</p>

AMGEEIGAEM ALRTFGHLLR YGEPTLRRRAV PLALALISVS NPRLNIDTL SKFSHDADPE
VSYSNIFAMG MVGSGTNNAR LAAMLRLAQ YHAKDPNNLF MVRLAQLGLTH LGKGTLLCP
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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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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),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

Target Details

	proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. {ECO:0000250 UniProtKB:Q13200}., 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. {ECO:0000250 UniProtKB:Q13200}.
Molecular Weight:	100.2 kDa
UniProt:	Q8VDM4
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.
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