

Datasheet for ABIN7555100

PSMD1 Protein (AA 1-953) (His tag)



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Overview

Quantity:	1 mg
Target:	PSMD1
Protein Characteristics:	AA 1-953
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMD1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PSMD1 Protein expressed in mammalian cells.
Sequence:	<p> MITSAGIIS LLEDEPQLK EFALHKLNAV VNDFWAEISE SVDKIEVLYE DEGFRSRQFA ALVASKVFIH LGAFEEISLY ALGAGDLFNV NDNSEYVETI IAKCIDHYTK QCVENADLPE GEKKPIDQRL EGIVNKMFRV CLDDHKYKQA IGIALETRRL DVFEKILES NDVPGMLAYS LKLCMSLMQN KQFRNKVLRV LVKIYMNLEK PDFINVCQCL IFLDDPQAVS DILEKLVKED NLLMAYQICF DLYESASQQF LSSVIQNLRT VGTPIASVPG STNTGTVPVS EKSDSDSMETE EKTSSAFVGK TPEASPEPKD QTLKMIKILS GEMAIELHLQ FLIRNNNTDL MILKNTKDAV RNSVCHTATV IANSFMHCGT TSDQFLRDNL EWLARATNWA KFTATASLGV IHKGHEKEAL QLMATYLPKD TSPGSAYQEG GGLYALGLIH ANHGGDIIDY LLNQLKNASN DIVRHGGSLG LGLAAMGTAR QDVYDLLKTN LYQDDAVTGE AAGLALGLVM LGSKNAQAIE DMVGYAQETQ HEKILRGLAV GIALVMYGRM EEADALIESL CRDKDPILRR SGMVTVAMAY CGSGNNKAIR RLLHVAVSDV NDDVRRAAVE SLGFILFRTP EQCPSVSVLL SESYNPHVRY GAAMALGICC </p>

Product Details

AGTGNKEAIN LLEPMTNDPV NYVRQGALIA SALIMIQQTE ITCPKVNQFR QLYSKVINDK
HDDVMAKFGA ILAQGILDAG GHNVTISLQS RTGHTHMPSV VGVLVFTQFW FWFPLSHFLS
LAYTPTCVIG LNKDLKMPKV QYKSNCKPST FAYPAPLEVP KEKEKEKVST AVLSITAKAK
KKEKEKEKKE EEKMEVDEAE KKEEKEKKKE PEPNFQLLDN PARVMPAQLK VLTMPETCRY
QPFKPLSIGG IILKDTSED IEELVEPVAA HGPKIEEEEQ EPEPPEPFY IDD **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:	<div>Key Benefits:</div> <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:	PSMD1
Alternative Name:	PSMD1 (PSMD1 Products)
Background:	26S proteasome non-ATPase regulatory subunit 1 (26S proteasome regulatory subunit RPN2) (26S proteasome regulatory subunit S1) (26S proteasome subunit p112),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

Target Details

	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:	105.8 kDa
UniProt:	Q99460
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