

Datasheet for ABIN7562286

PSMD4/ASF Protein (AA 1-376) (His tag)



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Overview

Quantity:	1 mg
Target:	PSMD4/ASF (Psm4)
Protein Characteristics:	AA 1-376
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMD4/ASF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Psm4 Protein expressed in mammalian cells.
Sequence:	<p>MVLESTMVCV DNSEYMRNGD FLPTRLQAQQ DAVNIVCHSK TRSNPENNVG LITLANDCEV</p> <p>LTTLPDTGR ILSKLHTVQP KGKITFCTGI RVAHLALKHR QGKNHKMR II AFVGSPVEDN</p> <p>EKDLVKLAKR LKKEKVNVDI INFGEDEVNT EKLTAFTNTL NGKDG TGSHL VTPPGPSLA</p> <p>DALISSPILA GEGGAMLGLG ASDFEFGVDP SADPELALAL RVSMEEQRR QEEEEARRAAA</p> <p>ASAAEAGIAT PGTEDSDDAL LKMTINQEF GRPGLPDLSS MTEEEQIAYA MQMSLQGTEF</p> <p>SQESADM DAS SAMDTSDPVK EEDDYDVMQD PEFLQSVLEN LPGVDPNNAA IRSVMGALAS</p> <p>QATKDGKNDK KEEEEKK 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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: PSMD4/ASF (Psm4)

Alternative Name: Psm4 ([Psm4 Products](#))

Background: 26S proteasome non-ATPase regulatory subunit 4 (26S proteasome regulatory subunit RPN10) (26S proteasome regulatory subunit S5A) (Multiubiquitin chain-binding protein),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. PSMD4 acts as an ubiquitin receptor subunit through ubiquitin-interacting motifs and selects ubiquitin-conjugates for destruction. Displays a preferred selectivity for longer polyubiquitin chains. {ECO:0000250|UniProtKB:P55036}.

Molecular Weight: 40.7 kDa

UniProt: [O35226](#)

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