

## Datasheet for ABIN7551105

### PSME1 Protein (AA 1-249) (His tag)



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#### Overview

Quantity:	1 mg
Target:	PSME1
Protein Characteristics:	AA 1-249
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSME1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

#### Product Details

Purpose:	Custom-made recombinat PSME1 Protein expressed in mammalian cells.
Sequence:	<p>MAMLRVQPEA QAKVDVFRED LCTKTENLLG SYFPKKISEL DAFLKEPALN EANLSNLKAP</p> <p>LDIPVPDPVK EKEKEERKKQ QEKEDKDEKK KGEDEDKGPP CGPVNCNEKI VLLQRLKPE</p> <p>IKDVIEQLNL VTTWLQLQIP RIEDGNNFGV AVQEKVFELM TSLHTKLEGF HTQISKYFSE</p> <p>RGDAVTKAAK QPHVG DYRQL VHELDEAEYR DIRLMVMEIR NAYAVLYDII LKNFEKLKKP</p> <p>RGETKGMIIY <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 have a special request, please contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## Product Details

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
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Grade:	custom-made
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## Target Details

Target:	PSME1
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Alternative Name:	PSME1 ( <a href="#">PSME1 Products</a> )
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Background:	Proteasome activator complex subunit 1 (11S regulator complex subunit alpha) (REG-alpha) (Activator of multicatalytic protease subunit 1) (Interferon gamma up-regulated I-5111 protein) (IGUP I-5111) (Proteasome activator 28 subunit alpha) (PA28a) (PA28alpha),FUNCTION: Implicated in immunoproteasome assembly and required for efficient antigen processing. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome.
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Molecular Weight:	28.7 kDa
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UniProt:	<a href="#">Q06323</a>
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Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Synthesis of DNA</a>
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## 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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Application Details

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