

Datasheet for ABIN7551028
PSMG2 Protein (AA 1-264) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PSMG2
Protein Characteristics:	AA 1-264
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMG2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PSMG2 Protein expressed in mammalian cells.
Sequence:	MFVPCGESAP DLAGFTLLMP AVSVGNGVQL AMDLIISTLN MSKIGYFYTD CLVPMVGNNP YATTEGNSTE LSINAEVYSL PSRKLVALQL RSIFIKYKSK PFCEKLLSWV KSSGCARVIV LSSSHSYQRN DLQLRSTPFR YLLTPSMQKS VQNKIKSLNW EEMEKSRCIP EIDDSEFCIR IPGGGITKTL YDESCSKEIQ MAVLLKFVSE GDNIPDALGL VEYLNEWLQI LKPLSDDPTV SASRWKIPSS WRLLFGSGLP PALF 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	PSMG2
Alternative Name:	PSMG2 (PSMG2 Products)
Background:	Proteasome assembly chaperone 2 (PAC-2) (Hepatocellular carcinoma-susceptibility protein 3) (Tumor necrosis factor superfamily member 5-induced protein 1),FUNCTION: Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. {ECO:0000269 PubMed:16251969, ECO:0000269 PubMed:17707236}.
Molecular Weight:	29.4 kDa
UniProt:	Q969U7
Pathways:	Monocarboxylic Acid Catabolic Process

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.
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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