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Zuschläge

- Mindermengenzuschlag
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- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

PSMD3 (Human) Recombinant Protein (P01)

Catalog Number: H00005709-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSMD3 full-length ORF (AAH20518.1, 1 a.a. - 534 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKQEGSARRRGADKAKPPPGGGEQEP PPPAPQDV
EMKEEAATGGGSGTEADGKTA AAAAEHSQRELDVT
LEDIKEHV KQLEKAVSGKEPRFVLRALRMLPSTSRRLN
HYVLYKAVQGGFFTSNNATRD FLLPFLEEMDTEADLQ
FRPRTGKAAS TPLLPEVEAYLQLLVIFMMNSKRYKEA
QKISDDL MQKISTQNRRALDLVA AKCYYYHARVYEF LD
KLDVVR SFLHARLRTATLR HDADGQATLLNLLLRNYLH
YSLYDQA EKLVS KSVFPEQANN NEWARYLYYTGR IKA I
QLEYSEARR TMTNLRKAPQHTAVGFKQTVHKLLIVVE
LLLGEIPDR LQFRQPSLKRSLMPYFLLTQAVRTGNLAK
FNQVLDQFGEKFQADGTYTLIIRLRHNVIKTGVRMISLS
YSRISLADIAQKLQLDSPEDA EFIVAKAIRDGVIEASINH
EKGYVQSKEMIDIYSTREPQLAFHQRI SFCLDIHNMSV
KAMRFPPKSYNKDLESAEERREREQQDLEFAKEMAE
DDDDSF P

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 84.37

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid

repeated freezing and thawing.

Entrez GeneID: 5709

Gene Symbol: PSMD3

Gene Alias: P58, RPN3, S3

Gene Summary: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. [provided by RefSeq]

References:

1. Identification of a Specific Motif of the DSS1 Protein Required for Proteasome Interaction and p53 Protein Degradation. Wei SJ, Williams JG, Dang H, Darden TA, Betz BL, Humble MM, Chang FM, Trempus CS, Johnson K, Cannon RE, Tennant RW. J Mol Biol. 2008 Nov 14;383(3):693-712. Epub 2008 Aug 26.