



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PSMD7 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005713-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human PSMD7 full-length ORF (AAH12606, 1 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MP ELAVQKVVVHPLVLLSVVDHFN RIGKVG NQKR VVG  
VLLGSWQKKVLDVSN SFAVPFDEDDK DSDVWFLDHD  
YLENMYGMFKKVNARERIVGWYHTGPKLHKNDIAINEL  
MKRYC PNSVLVIIDVKPKDLGLPTEAYISVEEVHDDGT  
PTSKTFEHTVSEIGAEAEAEVGV EHLRLDIKDTTVGTL S  
QRITNQVHGLKGLNSKLLDIRSYLEKVATGKLPINHQIIY  
QLQDVFNLLPDVSLQEFVKA FYLKTNDQM VVVYLA SLI  
RSVVALHNLINNKIADRDAEKKEGQEKEESKDRKEDK  
EKDKDKEKSDVKKEEKKEKK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 61.38

**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:** 5713

**Gene Symbol:** PSMD7

**Gene Alias:** MOV34, P40, Rpn8, S12

**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 a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17. [provided by RefSeq]