



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PSMB9 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005698-P01

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

**Product Description:** Human PSMB9 full-length ORF (AAH65513, 1 a.a. - 219 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLRAGAPTGDLPRAGEVHTGTTIMAVEFDGGVVMGS  
DSRVSAGEAVVNRVFDKLSPLHERIYCALSGSAADAQ  
AVADMAAYQLELHGIELEEPPLVLAANVVRNISYKYR  
EDLSAHLMVAGWDQREGGQVYGTLLGMLTRQPF  
AIGSGSTFIYGYVDAAYKPGMSPEECRRFTTDAIALAMS  
RDGSSGGVIYLVTTAAGVDHRVILGNELPKFYDE

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

**Theoretical MW (kDa):** 49.83

**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:** 5698

**Gene Symbol:** PSMB9

**Gene Alias:** LMP2, MGC70470, PSMB6i, RING12, beta1i

**Gene Summary:** The proteasome is a multicatalytic

proteasome complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding different isoforms have been identified; both isoforms are processed to yield the same mature subunit. [provided by RefSeq]