



# SZABO SCANDIC

Part of Europa Biosite

## 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

### PSMB3 (Human) Recombinant Protein (P02)

**Catalog Number:** H00005691-P02

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

**Product Description:** Human PSMB3 full-length ORF ( NP\_002786.2, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MSIMSYNGGAVMAMKGKNCVAIAADRRFGIQAQMVTT  
DFQKIFPMGDRLYIGLAGLATDVQTVAQRLKFRNLNLYE  
LKEGRQIKPYTLMSMVANLLYEKRFPGPYYTEPVIAGLD  
PKTFKPFICSLDLIGCPMVTDDFVVSGETCAEQMYGMC  
ESLWEPNMDPDHLFETISQAMLNAVDRDAVSGMGVIV  
HIIKDKITRRTLKARM
```

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

**Theoretical MW (kDa):** 49.3

**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:** 5691

**Gene Symbol:** PSMB3

**Gene Alias:** HC10-II, MGC4147

**Gene Summary:** The proteasome is a multicatalytic proteinase 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. Pseudogenes have been identified on chromosomes 2 and 12. [provided by RefSeq]