



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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

### PSMA1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005682-P01

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

**Product Description:** Human PSMA1 full-length ORF (AAH02577, 1 a.a. - 263 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MFRNQYDNDVTWVSPQGRIHQIEYAMEAVKQGSATV  
GLKSKTHAVLVALKRAQSELAHQKILHVDNHIGISIA  
GLTADARLLCNFMRQECLDSRFVFDRLPVSRLVSLIG  
SKTQIPTQRYGRRPYGVLLIAGYDDMGPHIFQTCPSA  
NYFDCRAMSIGARSQSARTYLERHMSEFMECNLNELV  
KHGLRALRETLPAEQDLTTKNVSIGIVGKDLEFTIYDDD  
DVSPFLEGLEERPQRKAQPAQPADEPAEKADPEMEH

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

**Theoretical MW (kDa):** 54.67

**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:** 5682

**Gene Symbol:** PSMA1

**Gene Alias:** HC2, MGC14542, MGC14575, MGC14751, MGC1667, MGC21459, MGC22853, MGC23915, NU, PROS30

**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 peptidase T1A family, that is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms]