



# 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

### PSMA4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005685-P01

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

**Product Description:** Human PSMA4 full-length ORF (AAH05361, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MSRRYDSRTTIFSPGRLYQVEYAMEAIGHAGTCLGIL  
ANDGVLLAAERRNIHKLLDEVFFSEKIYKLNEDMACSV  
AGITSDANVLTNELRLIAQRYLLQYQEPIPCQLVTALC  
DIKQAYTQFGGKRPFGVSLLYIGWDKHYGFQLYQSDP  
SGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKS  
ALALAIKVLNKTMDVSKLSAEKVEIATLTRENGKTIVRVL  
KQKEVEQLIKKHEEEEEAKAEREKKEKEQKEKDK
```

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

**Theoretical MW (kDa):** 54.45

**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:** 5685

**Gene Symbol:** PSMA4

**Gene Alias:** HC9, HsT17706, MGC111191, MGC12467, MGC24813, PSC9

**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. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]