



# SZABO SCANDIC

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## 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

### PSMC4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005704-P01

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

**Product Description:** Human PSMC4 full-length ORF (AAH00343, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MEEIGILVEKAQDEIPALSVSRPQTGLSFLGPEPEDLED  
LYSRYKKLQQELEFLEVQEEYIKDEQKNLKEFLHAQE  
EVKRIQSIPLVIGQFLEAVDQNTAIVGSTTGSNYVVRILS  
TIDRELLKPNASVALHKHSNALVDVLPPEADSSIMMLT  
SDQKPDVMYADIGGMDIQKQEVREAVELPLTHFELYK  
QIGIDPPRGVLMYGPPGCGKTMLAKAVAHHTTAAAFIRV  
VGSEFVQKYLGEGRMVRDVFRLAKENAPAIIFIDEIDA  
IATKRFDAQTGADREVQRILLELLNQMDGFDQNVNVK  
VIMATNRADTLDPALLRPGRLDRKIEFPLPDRRQKRLIF  
STITSKMNLSEEVDLEDYVARPDKISGADINSICQESG  
MLAVRENRYIVLAKDFEKAYKTVIKKDEQEHEFYK

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

**Theoretical MW (kDa):** 71.72

**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:** 5704

**Gene Symbol:** PSMC4

**Gene Alias:** MGC13687, MGC23214, MGC8570, MIP224, S6, TBP7

**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 one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit has been shown to interact with an orphan member of the nuclear hormone receptor superfamily highly expressed in liver, and with gankyrin, a liver oncoprotein. Two transcript variants encoding different isoforms have been identified. [provided by RefSeq]