



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

PSME3 (Human) Recombinant Protein (P01)

Catalog Number: H00010197-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSME3 full-length ORF (NP_005780.2, 1 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MASLLKVDQEVKLVDSFRERITSEAEDLVANFFPKKL
LELDSFLKEPILNIHDLTQIHSDMNLVVPDPILLTNSHDG
LDGPTYKKRRRLDECEEFQGTQKVFVMPNGMLKSNQQ
LVDIIEKVKPEIRLLIEKCNTVKMWVQLLIPRIEDGNNFG
VSIQEETVAELRTVESEAASYLDQISRYITRAKLVSKIA
KYPHVEDYRRTVTEIDEKEYISLRLLISELRNQYVTLHD
MILKNIEKIKRPRSSNAETLY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 55.9

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: 10197

Gene Symbol: PSME3

Gene Alias: Ki, PA28-gamma, PA28G, REG-GAMMA

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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Two transcript variants encoding different isoforms have been identified. [provided by RefSeq]