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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PSMB5 (Human) Recombinant Protein (P01)

Catalog Number: H00005693-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSMB5 full-length ORF (AAH57840.1, 1 a.a. - 263 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MALASVLERPLPVNQRGFFGLGGRADLLDLGPGSLSD
GLSLAAPGWGVPEEPIEMLHGTTTLAFKFRHGVIVAA
DSRATAGAYIASQTVKKVIEINPYLLGTMAGGAADCSF
WERLLARQCRIYELRNKERISVAAASKLLANMVYQYK
GMGLSMGMTMICGWDKRGPGLYYVDSEGNRISGATFS
VGSGSVYAYGVMDRGYSYDLEVEQAYDLARRAIYQAT
YRDAYS GGAVNLYHVREDGWIRVSSDNVADLHEKYS
GSTP

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: 5693

Gene Symbol: PSMB5

Gene Alias: LMPX, MB1, MGC104214, X

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 in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]