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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PSMB1 (Human) Recombinant Protein (P01)

Catalog Number: H00005689-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSMB1 full-length ORF (NP_002784.1, 1 a.a. - 241 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLSSTAMYSAPGRDLGMEPHRAAGPLQLRFSPYVFN
GGTILAIAGEDFAIVASDTRLSEGFSIHTRDSPKCYKLT
DKTVIGCSGFHGDCLTLTKIIEARLKMVKHSNNKAMTT
GAIAAMLSTILYSRRFFPYVYVNIIGGLDEEGKGAVYSF
DPVGSYQRDSFKAGGSASAMLQPLLDNQVGFKNMQN
VEHVPLSLDRAMRLVKDVFISAAERDVYTGDALRICIVT
KEGIREETVSLRKD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 52.9

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: 5689

Gene Symbol: PSMB1

Gene Alias: FLJ25321, HC5, KIAA1838, PMSB1, PSC5

Gene Summary: The proteasome is a multicatalytic

proteasome 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. This gene is tightly linked to the TBP (TATA-binding protein) gene in human and in mouse, and is transcribed in the opposite orientation in both species. [provided by RefSeq]