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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PSMB7 (Human) Recombinant Protein (P01)

Catalog Number: H00005695-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSMB7 full-length ORF (NP_002790.1, 1 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAAVSVYAPPVGGFSFDNCRNAVLEADFAKRGYKL
PKVRKTGTTIAGVVYKDGIVLGADTRATEGMVVADKN
CSKIHFI SPNIYCCGAGTAADTDMTQLISSNLELHLSL
TGRLPRVVTANRMLKQMLFRYQGYIGAALVLGGVDVT
GPHLYSIYPHGSTDKLPYVTMGSGSLAAMAVFEDKFR
PDMEEEEAKNLVSEAIAAGIFNDLGSGSNIDLCVISKNK
LDFLRPYTPNKKGTRLGRYRCEKGTAVLTEKITPLEI
EVLEETVQTMDS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 56.4

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: 5695

Gene Symbol: PSMB7

Gene Alias: Z

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. Expression of this catalytic subunit is downregulated by gamma interferon and proteolytic processing is required to generate a mature subunit. This subunit is not present in the immunoproteasome and is replaced by catalytic subunit 2i (proteasome beta 10 subunit). [provided by RefSeq]