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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PSMA7 (Human) Recombinant Protein (P01)

Catalog Number: H00005688-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSMA7 full-length ORF (AAH04427, 1 a.a. - 248 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSYDRAITVFSPDGHLFQVEYAQEAVKKGSTAVGVVRG
RDIVVLGVEKKSVAKLQDERTVRKICALDDNVCMFAFAG
LTADARIVINRARVEQCQSHRLTVEDPVTVEYITRYIASL
KQRYTQSNRRPFGISALIVGFDGTPRLYQTDPSG
TYHAWKANAIGRGAKSREFLEKNYTDEAIETDDLTIKL
VIKALLEVVQSGGKNIELAVMRRDQSLKILNPEEIEKYV
AEIEKEKEENEKQKQKAS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 53.02

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: 5688

Gene Symbol: PSMA7

Gene Alias: C6, HSPC, MGC3755, RC6-1, XAPC7

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 peptidase T1A family, that is a 20S core alpha subunit. This particular subunit has been shown to interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. In addition, this subunit is involved in regulating hepatitis virus C internal ribosome entry site (IRES) activity, an activity essential for viral replication. This core alpha subunit is also involved in regulating the hypoxia-inducible factor-1alpha, a transcription factor important for cellular responses to oxygen tension. Multiple isoforms of this subunit arising from alternative splicing may exist but alternative transcripts for only two isoforms have been defined. A pseudogene has been identified on chromosome 9. [provided by RefSeq]