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# Recombinant human PSMB6 protein

Catalog Number: ATGP1351

### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

35-239aa

#### UniProt No.

P28072

#### **NCBI Accession No.**

NP 002789

#### **Alternative Names**

Proteasome subunit beta type-6 precursor, DELTA, LMPY, MGC5169

# PRODUCT SPECIFICATION

### **Molecular Weight**

24.2 kDa (226aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **Description**

PSMB6 is 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 PSMB9. 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. Recombinant human PSMB6 protein, fused to Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

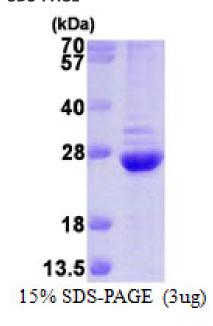
MGSSHHHHHH SSGLVPRGSH MTTIMAVQFD GGVVLGADSR TTTGSYIANR VTDKLTPIHD RIFCCRSGSA ADTQAVADAV TYQLGFHSIE LNEPPLVHTA ASLFKEMCYR YREDLMAGII IAGWDPQEGG QVYSVPMGGM MVRQSFAIGG SGSSYIYGYV DATYREGMTK EECLQFTANA LALAMERDGS SGGVIRLAAI AESGVERQVL LGDQIPKFAV ATLPPA

### **General References**

Apcher GS., et al. (2003) FEBS Lett. 553(1-2):200-4. Stelzl u., et al. (2002) Cell. 122(6):957-68.

# **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

