

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 His-tag 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 RIFCCRSRSA ADTQAVADAV
TYQLGFHSIE LNEPPLVHTA ASLFKEMCYR YREDLMAGII IAGWDPQEGG QVYSVPMGGM MVRQSFAIGG SGSSYIYGIV
DATYREGMTK EECLQFTANA LALAMERDGS SGGVIRLAAI AESGVERQVL LGDQIPKFAV ATLPPA

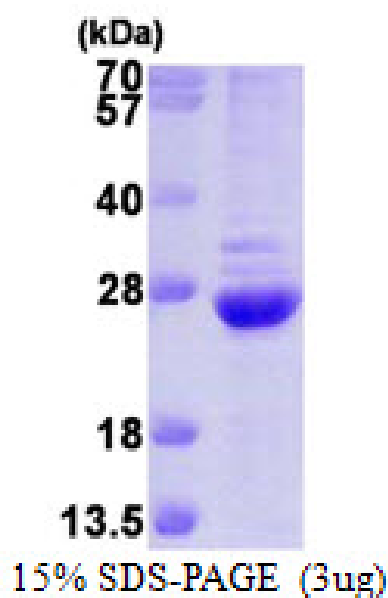
General References

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.