Recombinant human PSMD11 protein

Catalog Number: ATGP2470

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-422aa

UniProt No.
O00231

NCBI Accession No.
NP_002806

Alternative Names
proteasome 26S non-ATPase subunit 11, S9, Rpn6, p44.5, MGC3844

PRODUCT SPECIFICATION

Molecular Weight
49.6 kDa (442aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

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
The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. PSMD11 is a member of the proteasome subunit S9 family that functions as a non-ATPase subunit of the 19S regulator and is phosphorylated by AMP-activated protein kinase. Recombinant

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human PSMD11 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

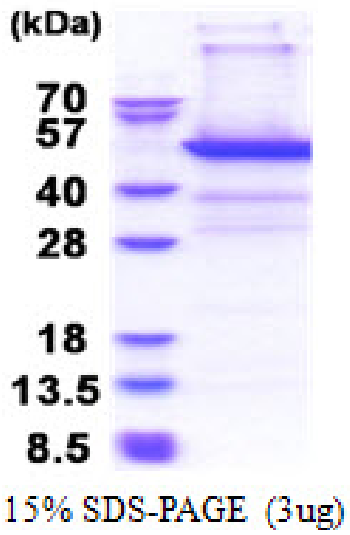
MGSSHHHHHH SSGLVPRGSH MAAAAVVEFQ RAQSLLSTDR EASIDILHSI VKRDIQENDE EAVQVKEQSI LELGSLLAKT GQAAELGGLL KYVRPFLNSI SKAKAARLVR SLLDLFLDME AATGQEVELC LECIEWAKSE KRTFLRQALE ARLVSLYFDT KRYQEALHLG SQLLRELKKM DDKALLVEVQ LLESKTYHAL SNLPKARAAL TSARTTANAI YCPPKLQATL DMQSGIIHAA EEKDWKTAYS YFYEAFEGYD SIDSPKAITS LKYMLLCKIM LNTPEDVQAL VSGKLALRYA GRQTEALKCV AQASKNRSLA DFEKALTDYR AELRDDPIIS THLAKLYDNL LEQNLIRVIE PFSRVQIEHI SSLIKLSKAD VERKLSQMIL DKKFHGILDQ GEGVLIIFDE PPVDKTYEAA LETIQNMSKV VDSLYNKAKK LT

General References

Vilchez D., et al (2012). Nature 489:304-308
Moreno D., et al (2009). Int. J. Biochem. Cell Biol. 41:2431-2439

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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