

PSMD11, 1-422aa, Human, His tag, E.coli

Cat.NO.: TP03577

3th Edition

Synonyms:proteasome 26S non-ATPase subunit 11, S9, Rpn6, p44.5, MGC3844

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

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:49.6kDa (442aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMAAAAVVEFQRAQSLLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLL
AKTGQAAELGGLLK YVRPFLNSISKAKAARLVRSLLDLFLDMEAATGQEVCLCIEWAKSEKRTFLRQALEARLV
SLYFDTKRYQEALHLGSQLLRELKMKDDKALLVEVQLLESKYHALSNLPKARAALTSARTTANAIYC PPKLQATLD
MQSGIIHAAEEKDWKTAYSFYEFEGYDSIDSPKAITSLKYMLLCKIMLNTPEDVQALVSGKLALRYAGRQTEALKC
VAQASKNRSLADFEKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHISSLIKLSKADVERKLSQMIL
DKKFH GILDQGGVLIIFDEPPVDKTYEAALETIQNMSKVVDLSLYNKAKKLT

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.