32-2759: PSMD11 Recombinant Protein

Alternative Name : S9,Rpn6,p44.5,MGC26S proteasome regulatory subunit S9,26S proteasome regulatory subunit p44.5,PSMD11.3844,26S proteasome non-ATPase regulatory subunit 11,26S proteasome regulatory subunit RPN6.

Description

Source : Escherichia Coli. PSMD11 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 442 amino acids (1-422a.a) and having a molecular mass of 49.6kDa. PSMD11 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. The 26S proteasome is a multicatalytic proteinase complex with a well ordered structure composed of two complexes- a 20S core and a 19S regulator. PSMD11 is a non-ATPase subunit of the 19S regulator. The 20S core is composed of four rings of 28 non-identical subunits; two rings are composed of 7 alpha subunits and two rings are composed of 7 beta subunits. The 19S regulator is composed of a base that contains six ATPase subunits and two non-ATPase subunits, and a lid that contains up to ten non-ATPase subunits. Proteasomes are spread throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An indispensable function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides.

Product Info

Amount :	25 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The PSMD11 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	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.