

Recombinant human PSMD9 protein

Catalog Number: ATGP1804

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-223aa

UniProt No.

O00233

NCBI Accession No.

NP_002804

Alternative Names

26S proteasome non-ATPase regulatory subunit 9, p27, Rpn4

PRODUCT SPECIFICATION

Molecular Weight

27.1 kDa (246aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% 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

PSMD9 acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). During the base subcomplex assembly is part of an intermediate PSMD9:PSMC6:PSMC3 module, also known as modulator trimer complex; PSMD9 is released during the further base assembly process. Recombinant human PSMD9 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

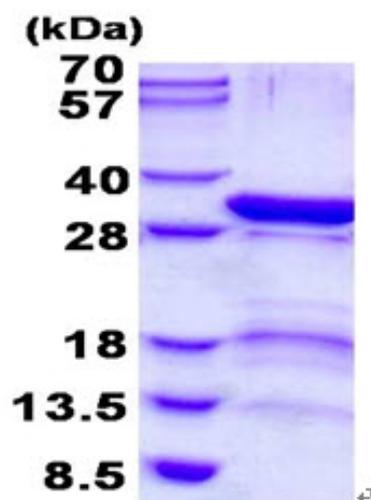
MGSSHHHHHH SSGLVPRGSH MGSMSEEAR QSGGSSQAGV VTVSDVQELM RRKEEIEAQI KANYDVLESQ
KGIGMNEPLV DCEGYPRSDV DLYQVRTARH NIICLQNDHK AVMKQVEEAL HQLHARDKEK QARDMAEAHK EAMSRKLGQS
ESQGPRAFA KVNSISPGSP ASIAGLQVDD EIVEFGSVNT QNFQSLHNIG SVVQHSEGKP LNVTVIRRG E KHQLRLVPTR
WAGKLLGCN IIP LQR

General References

Kaneko T., et al. (2009) Cell. 137:914-925
Watanabe T.K., et al. (1998) Genomics. 50:241-250

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)