

# Recombinant human PSMD5 protein

Catalog Number: ATGP3156

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-504aa

### UniProt No.

Q16401

### NCBI Accession No.

NP\_005038

### Alternative Names

26S proteasome non-ATPase regulatory subunit 5 isoform 1

## PRODUCT SPECIFICATION

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### Molecular Weight

58.9 kDa (529aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### 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

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### Description

PSMD5 also known as 26S proteasome non-ATPase regulatory subunit 5 isoform 1. The 26S proteasome is an enzymatic complex that degrades ubiquitinated proteins in eukaryotic cells. PSMD5 is one of a number of chaperones that are involved in the assembly of the proteasome. The chaperones dissociate before 26S proteasome formation is complete. Recombinant human PSMD5, 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 SGLVPRGSH MGSEFMAAQA LALLREVARL EAPLEELRAL HSVLQAVPLN ELRQQAELR LGPLFSLLE  
NHREKTTLCV SILERLLQAM EPVHVARNLR VDLQRGLIHP DDSVKILTLS QIGRIVENS D AVTEILNNAE LLKQIVYCIG  
GENLSVAKAA IKSLSRISLT QAGLEALFES NLLDDLKSVK KTNDIVRYRV YELIIEISSV SPESLNYCTT SGLVTQLLRE  
LTGEDVLVRA TCIEMVTSLA YTHHGRQYLA QEGVIDQISN IIVGADSDPF SSFYLPGFVK FFGNLAVMDS PQCICERYPI  
FVEKVFEMIE SQDPTMIGVA VDTVGILGSN VEGKQVLQKT GTRFRERLLMR IGHQSKNAPV ELKIRCLDAI SLLYLPPEQ  
QTDDLRLMTE SWFSSLSRDP LELFRGISSQ PFPELHCAAL KVFTAIANQP WAQKLMFNPS GFVEYVVD RS VEHDKASKDA  
KYELVKALAN SKTIAEIFGN PNYLRLR TYL SEGPYYVKPV STTAVEGAE

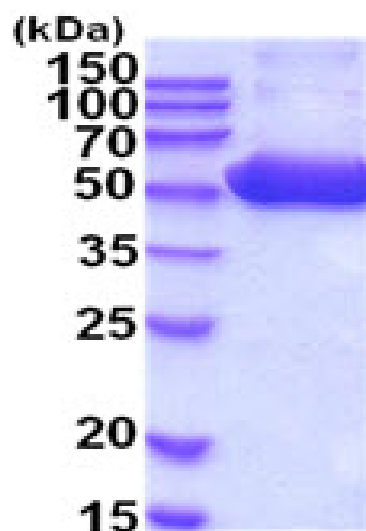
### General References

Kaneko T., et al. (2009) Cell. 137(5):914-925.

Shim SM., et al. (2012) Cell. 2(3):603-615

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)