

Recombinant Human PSMD5 protein, His-tagged

Cat. No. PSMD5-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMD5, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol
Molecular Mass	58.9kDa (529aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFMAAQA LALLREVARL EAPLEELRAL HSVLQAVPLN ELRQQAAELR LGPLFSLLNE NHREKTTLCVSILERLLQAM EPVHVARNLR VDLQRGLIHP DDSVKILTLS QIGRIVENS AVTEILNNAE LLKQIVYCIG GENLSVAKAA IKSLSRISLT QAGLEALFES NLLDDLKSVM KTNDIVRYRV YELIIEISSV SPESLNYCTT SGLVTQLLRE LTGEDVLVRA TCIEMVTSLA YTHHGRQYLAQEGVIDQISN IIVGADSDPF SSFYLPGFVK FFGNLAVMDS PQQICERYPI FVEKVFEMIE SQDPTMIGVA VDTVIGILGSN VEGKQVLQKT GTRFERLLMR IGHQSKNAPV ELKIRCLDAI SLLYLPPEQ

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QTDDLRLMTE SWFSSLSRDP LELFRGISSQ PFPELHCAAL
KVFTAIANQPWAQKLMFNPS GFVEYVVDRS VEHDKASKDA KYELVKALAN
SKTIAEIFGN PNYLRLRITYL SEGPPYYVKPV STTAVEGAE

Purity >90% by SDS - PAGE

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

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name PSMD5 proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 [Homo sapiens]

Official Symbol PSMD5

Synonyms PSMD5; proteasome (prosome, macropain) 26S subunit, non-ATPase, 5; 26S proteasome non-ATPase regulatory subunit 5; KIAA0072; S5B; 26S proteasome subunit S5B; 26S protease subunit S5 basic; MGC23145;

Gene ID 5711

mRNA Refseq NM_005047

Protein Refseq NP_005038

MIM 604452

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UniProt ID	Q16401
Chromosome Location	9q34.11
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem;
Function	protein binding; protein binding involved in protein folding;

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