

Recombinant Human PSMD13, His-tagged

Cat. No. PSMD13-212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSMD13, 1-376aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-376aa
Description	PSMD13 belongs to the proteasome subunit S11 family and contains 1 PCI domain. This protein acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. Recombinant human PSMD13 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	45.3kDa (399aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMKDVPGF LQQSQNSGPG QPAVWHRLEE LYTKKLWHQL TLQVLDFVQD PCFAQGDGLI KLYENFISEF EHRVNPLSLV EIILHVVRQM TDPNVALTFL EKTREKVKSS DEAVILCKTA IGALKLNIGD LQVTKETIED VEEMLNLPV VTSVHSRYFD LSSKYYQTIG NHASYKDAL RFLGCVDIKD LPVSEQQERA FTLGLAGLLG EGVFNFGELL MHPVLESLRN TDRQWLIDTL YAFNSGNVER FQTLKTAWGQ QPDLAANEAQ LLRKIQLLCL MEMTFTRPAN HRQLTFEEIA KSAKITVNEV ELLVMKALSV GLVKGSIDEV DKRVHMTWVQ PRVLDLQQIK GMKDRLEFWC TDVKSMEMLV EHQAHDILT

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PSMD13 proteasome (prosome, macropain) 26S subunit, non-ATPase, 13 [Homo sapiens]
Official Symbol	PSMD13
Synonyms	PSMD13; proteasome (prosome, macropain) 26S subunit, non-ATPase, 13; 26S proteasome non-ATPase regulatory subunit 13; p40.5; Rpn9; 26S proteasome subunit p40.5; 26S proteasome regulatory subunit S11; 26S proteasome regulatory subunit RPN9; 26S proteasome regulatory subunit p40.5; S11; HSPC027;
Gene ID	5719
mRNA Refseq	NM_002817
Protein Refseq	NP_002808
MIM	603481
UniProt ID	Q9UNM6
Chromosome Location	11p15.5

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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;

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