

## Product datasheet for **AR51525PU-N**

### PSMD13 (1-376, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PSMD13 (1-376, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMKDVPGF LQQSQNSGPG QPAVWHRLEE LYTKKLWHQL TLQVLDFVQD PCFAQGDGLI KLYENFISEF EHRVNPLSLV EILHVVRQM TDPNVALTFL EKTREKVKSS DEAVILCKTA IGALKLNIGD LQVTKETIED VEMLNLPV VTSVHSRYFD LSSKYYQTIG NHASYKDAL RFLGCVDIKD LPVSEQQERA FTLGLAGLLG EGVNFGELL MHPVLESLRN TDRQWLIDTL YAFNSGNVER FQTLKTAWGQ QPDLAANEAQ LLRKIQLLCL MEMTFTRPAN HRQLTFEEIA KSAKITVNEV ELLVMKALSV GLVKGSIDEV DKRVHMTWVQ PRVLDLQVIK GMKDRLEFWC TDVKSMEMLV EHQAHDILT
Tag:	His-tag
Predicted MW:	45.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PSMD13 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002808</a>
Locus ID:	5719
UniProt ID:	<a href="#">Q9UNM6</a>
Cytogenetics:	11p15.5



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**Synonyms:** HSPC027; p40.5; Rpn9; S11

**Summary:** The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Proteasome

**Product images:**

