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**Product Data Sheet**


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Product Name: PSMD13 Human  
 Cat. No.: GP22193  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HSPC027; p40.5; Rpn9; S11; 26S proteasome non-ATPase regulatory subunit 13; 26S proteasome regulatory subunit RPN9; 26S proteasome regulatory subunit S11; 26S proteasome regulatory subunit p40.5; PSMD13.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMKDVPGF LQSQNSGPG QPAVWHRLEE LYTKKLWHQL TLQVLDVQD PCFAQGDGLI KLYENFISEF EHRVNPLSLV EILHVVRQM TDPNVALTFL EKTREKVKSS DEAVILCKTA IGALKLNIGD LQVTKETIED VEMLNNLPG VTSVHSRFYD LSSKYYQTIG NHASYKDAL RFLGCVDIKD LPVSEQQERA FTLGLAGLLG EGVFNFGELL MHPVLESLRN TDRQWLIDTL YAFNSGNVER FQTLKTAWGQ QPDLAANEAQ LLRKIQLLCL MEMTFTRPAN HRQLTFEEIA KSAKITVNEV ELLVMKALSV GLVKGSIDEV DKRVHMTWVQ PRVLDLQQIK GMKDRLEFWC TDVKSMEMLV EHQAHDILT.		
Formulation	The PSMD13 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

**Introduction**

Proteasome 26S Subunit, Non-ATPase 13 (PSMD13) is a part of the proteasome subunit S11 family and contains one PCI domain. PSMD13 plays a role as a regulatory subunit of the 26S proteasome which takes part in the ATP-dependent degradation of ubiquitinated proteins.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### Background

PSMD13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 399 amino acids (1-376a.a) and having a molecular mass of 45.3kDa. PSMD13 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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