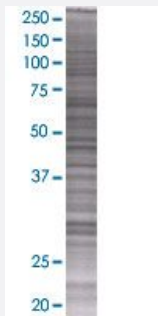


# PSMD13 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005719-T01

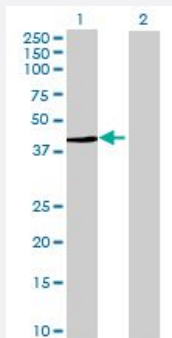
Size 100 uL

## Applications



### SDS-PAGE Gel

PSMD13 transfected lysate.



### Western Blot

Lane 1: PSMD13 transfected lysate ( 41.47 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-PSMD13 full-length
Host	Human
Theoretical MW (kDa)	41.47
Interspecies Antigen Sequence	Mouse (97); Rat (97)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-PSMD13 antibody ([H00005719-B02](#)) by Western Blots.  
SDS-PAGE Gel  
PSMD13 transfected lysate.  
Western Blot  
Lane 1: PSMD13 transfected lysate ( 41.47 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — PSMD13

**Entrez GeneID**[5719](#)**GeneBank Accession#**[NM\\_002817](#)**Protein Accession#**[NP\\_002808](#)**Gene Name**

PSMD13

**Gene Alias**

HSPC027, Rpn9, S11, p40.5

**Gene Description**

proteasome (prosome, macropain) 26S subunit, non-ATPase, 13

**Omim ID**[603481](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

**Other Designations**

26S proteasome regulatory subunit S11|26S proteasome subunit p40.5|proteasome 26S non-ATPase subunit 13

**Pathway**

- [Proteasome](#)