

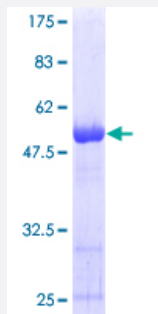
Full-Length

# PSMD10 (Human) Recombinant Protein (P01)

Catalog # H00005716-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human PSMD10 full-length ORF ( AAH11960, 1 a.a. - 226 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MEGCVSNLMVCNLAYSGKLEELKESILADKSLATRTDQDSRTALHWACSAGHTEMEFLLQLGVP  
VNDKDDAGWSPLHIAASAGRDEMKALLGKGAQVNAVQNQGCTPLHYAASKNRHEIAVMLLEGG  
ANPDAKDHYEATAMHRAAAKGNLKMILLYYKASTNIQDTEGNTPLHLACDEERVEEAKLLVSQG  
ASIYENKEEKTPLQVAKGGLGLILKRMVEG

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

50.6

### Interspecies Antigen Sequence

Mouse (94); Rat (95)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### Storage Instruction

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

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PSMD10

Entrez GeneID [5716](#)

GeneBank Accession# [BC011960](#)

Protein Accession# [AAH11960](#)

Gene Name PSMD10

Gene Alias dJ889N15.2, p28

Gene Description proteasome (prosome, macropain) 26S subunit, non-ATPase, 10

Omim ID [603480](#)

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. Pseudogenes have been identified on chromosomes 3 and 20. [provided by RefSeq]

**Other Designations**

26S proteasome non-ATPase regulatory subunit 10|26S proteasome regulatory subunit p28|OTTHUMP00000023827|OTTHUMP00000023828|ankyrin repeat protein|gankyrin|hepatocellular carcinoma-associated protein p28-III|proteasome 26S non-ATPase subunit 10