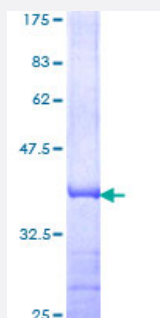


# PSMB3 (Human) Recombinant Protein (Q01)

Catalog # H00005691-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |   |
|--------------------------------|---|
| <b>Product Description</b>     | Human PSMB3 partial ORF ( AAH13008, 106 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.                    |
| <b>Sequence</b>                | EPVIAGLDPKTFKPFICSLDLIGCPMVTDDFVVS GTCAEQMYGMCESLWEPNMDPDH L FETISQA<br>MLNAVDRDAVSGMGV V H I I E K D K I T R T L K A R M D |
| <b>Host</b>                    | Wheat Germ (in vitro)   |
| <b>Theoretical MW (kDa)</b>    | 36.74   |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>   |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow   |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.   |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.  |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.   |
| <b>Note</b>                    | 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 — PSMB3

Entrez GeneID [5691](#)

GeneBank Accession# [BC013008](#)

Protein Accession# [AAH13008](#)

Gene Name PSMB3

Gene Alias HC10-II, MGC4147

Gene Description proteasome (prosome, macropain) subunit, beta type, 3

Omim ID [602176](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Pseudogenes have been identified on chromosomes 2 and 12. [provided by RefSeq]

**Other Designations** proteasome beta 3 subunit|proteasome chain 13|proteasome component C10-II|proteasome theta chain

## Pathway

- [Proteasome](#)