

## Recombinant Mouse Psme1 Protein, Myc/DDK-tagged

**Cat. No.** Psme1-5201M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (Psme1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                    |
| <b>Description</b>      | Implicated in immunoproteasome assembly and required for efficient antigen processing. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome. |
| <b>Molecular Mass</b>   | 28.7 kDa                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                               |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                             |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                            |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Psme1 proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                               |
| <b>Official Symbol</b> | <a href="#">Psme1</a>                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | PSME1; proteasome (prosome, macropain) 28 subunit, alpha; proteasome activator complex subunit 1; PA28alpha; REG-alpha; PA28 alpha subunit; 11S regulator complex subunit alpha; proteasome activator 28 subunit alpha; activator of multicatalytic protease subunit 1; protease (prosome, macropain) 28 subunit, alpha; PA28a; AW413925; MGC113815 |
| <b>Gene ID</b>         | <a href="#">19186</a>                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | <a href="#">NM_011189</a>                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | <a href="#">NP_035319</a>                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | <a href="#">P97371</a>                                                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA