

Product datasheet for **TP507052**

Psmc3 (NM_008948) Mouse Recombinant Protein

Product data:

| | |
|--|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse proteasome (prosome, macropain) 26S subunit, ATPase 3 (Psmc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR207052 protein sequence Red =Cloning site Green =Tags(s) |

MQEMNLLPTPESPVTRQEKMATVWDEAEQDGIGEEVLK MSTEEIVQRTRLLDSEIKIMKSEVLRVTHELQ
AMKDKIKENSEKIKVNKTLPYLVSNVIELLDVDPNDQEEDGANIDLDSQRKKGKCAVIKTSTRQTYFLPVI
GLVDAEKLKPGDLVGVNKDSYLILETLPTHEYDSRVKAMEVDERPTEQYSDIGGLDKQIQELVEAIVLPMN
HKEKFENLGIQPPKGVLMYGPPGTGKTLARACAAQTKATFLKLAGPQLVQMFIGDGAKLVRDAFALAKE
KAPSIIFIDELDAIGTKRFDSEKAGDREVQRTMLELLNQLDGFQPNQVKVIAATNRVDILDPAALLRSGR
LDRKIEFMPNNEEARARIMQIHSRKMNVSPDVNYEELARCTDDFNQAQCKAVCVEAGMIALRRGATELTH
EDYMEGILEVQAKKKANLQYYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|-----------------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 49.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_032974</u> |
| Locus ID: | 19182 |



[View online »](#)

UniProt ID: [O88685](#), [Q3TKG4](#)

RefSeq Size: 1651

Cytogenetics: 2 50.44 cM

RefSeq ORF: 1329

Synonyms: TBP-1

Summary: Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC3 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.[UniProtKB/Swiss-Prot Function]