

## Product datasheet for **TP505907**

### **Psm4 (BC009005) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 (cDNA clone MGC:6683 IMAGE:3581937), complete, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA</b>	>MR205907 protein sequence
<b>Clone or AA Sequence:</b>	Red=Cloning site Green=Tags(s)

MVLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNIVCHSKTRSNPENNVGLITLANDCEVLTTLTPTDGR  
ILSKLHTVQPKGKITFCTGIRVAHLALKHRQGNHMKMRIAFVGGSPVEDNEKDLVKLAKRLKKEKVNVDI  
INFGEEEVNTEKLTAFVNTLNGKDGTSLSLVTVPPGSLADALISSPILAGEGGAMLGLGASDFEFGVDP  
SADPELALALRVSMEEQRQRQEEEARAAAAASAAEAGIATPGTEGERDSDALLKMTINQQEFGRPGLPD  
LSSMTEEEQIAYAMQMSLQGTEFSQESADM DASSAMDTSDPVKEEDDYDVMQDPEFLQSVLENLPGVDPN  
NAAIRSVMGALASQATKDGKNDKKEEEKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	41 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<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>Locus ID:</b>	19185
<b>UniProt ID:</b>	<u><a href="#">O35226</a></u>



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RefSeq Size: 1277

Cytogenetics: 3 40.74 cM

RefSeq ORF: 1137

Synonyms: Mcb1, angiocidin

**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. PSMD4 acts as an ubiquitin receptor subunit through ubiquitin-interacting motifs and selects ubiquitin-conjugates for destruction. Displays a preferred selectivity for longer polyubiquitin chains.[UniProtKB/Swiss-Prot Function]