

Product datasheet for **MC200832**

Psmc4 (NM_011874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmc4 (NM_011874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psmc4
Synonyms:	CIP21; MIP224
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>BC012708 sequence for NM_011874</p> <pre> CCACCCGTCGCCACGCGTCCGGGCTTGGTCACTATGGAGGAGATAGGCATTTTGGTGGAAAAGATTCA GGATGAGATCCAGCACTGTCCGTGTCTCGGCCGAGACCGGCTGTCTTTCTGGGACCGAACCTGAA GACCTGGAGGACCTGTACAGCCGCTACAAGAAGCTGCAGCAGGAGCTGGAGTTCCCTGGAGGTGCAGGAGG AGTATATCAAGGACGAGCAGAAGAACCTGAAGAAGGAATTCTCCACGCCAGGAGGAGGTGAAGCGGAT CCAGAGCATCCCCTTGGTCATCGGTGAGTCTTGGAAAGCTGTGGATCAGAACACAGCCATCGTGGGCTCC ACCACAGGCTCTAACTATTATGTGCGCATCCTGAGTACCATCGACCGGGAGCTGTCAAGCCCAACGCCCT CGGTGGCCCTGCACAAGCACAGCAATGCCCTGGTGGACGTGTGCCTCCCGAGGCCGACAGCAGCATCAT GATGCTCACCTCAGACCAGAAGCCAGATGTGATGTATGCCGATATTGGAGGCATGGACATCCAGAAGCAG GAGGTGAGGGAGGCTGTGAACTCCCGCTTACACACTTCGAGCTGTACAAGCAGATTGGCATCGATCCTC CCCGAGGTGTCTCATGTATGGCCCTCCTGGCTGTGAAAAGACAATGTTAGCAAAGGCTGTGGCACATCA CACGACAGCTGCATTTATCCGTGTGGTGGGCTCGGAGTTTGTTCAGAAAGTACCTGGGTGAGGGCCCCGG ATGGTCCGGGATGTGTTCCGCCTAGCTAAGGAGAATGCACCTGCCATCATCTTCATAGATGAAATTGATG CCATTGCCACCAAGAGATTTCGATGCCGACAGAGGCTGACAGGGAGGTTGAGAGGATCCTGCTGGAGCT ACTGAATCAAATGGATGGATTTGACCAGAACGTCAATGTGAAGGTAATCATGGCCACAAACAGAGCAGAC ACCTTGGATCCAGCTCTACTGCGGCCAGGACGCTGGACCGAAAAATTGAATCCCACTCCCTGACCGTC GCCAGAAGAGGTTGATTTCTCCACCATACCAGCAAAATGAACCTCTCTGAGGAGGTCGACCTGGAAGA CTATGTGGCCCGTCCAGATAAGATTTTCAGGAGCCGATATCAACTCCATCTGTGAGGAGAGTGAATGTTG GCTGTCCGTGAGAACCGCTACATTGTCTTGGCCAAGGACTTCGAGAAAGCATAAAGACCGTGATCAAGA AAGATGAACAGGAACATGAATTTTACAAGTGACCCCTCCCACTTCCCAAGGCACCTGTCCCAAGG CTAGTTTTCTCTTTACCCAGGATTGGTTTAGTCAATAAATGGACGTGATTGGAAAAAAAAAAAAAAAAAAAA AAAAAA</pre>
Restriction Sites:	RsrII-NotI
ACCN:	NM_011874
Insert Size:	1257 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC012708 , AAH12708
RefSeq Size:	1406 bp
RefSeq ORF:	1257 bp
Locus ID:	23996
UniProt ID:	P54775
Cytogenetics:	7 16.11 cM
Gene 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. PSMC4 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]