

Product datasheet for MC210485

Psmc6 (NM_025959) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmc6 (NM_025959) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psmc6
Synonyms: 2300001E01Rik; AI451058
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210485 representing NM_025959
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGACCCTAGAGATAAGGGCCTTCAGGACTATCGCAAGAAGCTGCTAGAGCACAAGGAGATTGACG
 GCCGTCTTAAGGAGCTAAGGGAACAATAAAAGAACTTACCAAGCAGTATGAAAAGTCTGAAAATGATTT
 GAAGGCACTACAAAGTGTGGACAGATTGTAGGTGAAGTCTAAAACAGTTAACAGAAGAAAAATTCATC
 GTTAAAGCAACAATGGACCAAGATACGTTGTAGGTTGTGCTCGTCAGCTTGACAAAAGTAAAGCTGAAGC
 CAGGAACCAGAGTTGCTTTGGATATGACCACACTAACCATCATGAGATATCTGCCAAGAGAGGTGGATCC
 ATTGTTTATAACATGTCTCACGAGGATCCTGGAAATGTATCTTATTCTGAGATTGGAGGCTGTGAGAA
 CAGATTCGGGAGTTAAGAGAGGTAATAGAATGGCTCTTACAAATCCAGAATTATCCAGCGTGTAGGAA
 TAATACCTCCAAAAGGCTGTTTGCTCTATGGACCGCCAGGCACTGGGAAAACTCTTGGCACGAGCTGT
 TGCCAGCCAGCTGGACTGCAACTTCTAAAGGTTGTATCTAGTTCTATTGTAGACAAGTACATTGGTGAA
 AGTGCTCGTTTGATTAGAGAAAATGTTAATTATGCCAGGACCACCAGCCATGCATCATTTTTATGGATG
 AAATAGATGCTATTGGTGGCCGTCGGTTTTCTGAGGGAACATCAGCTGACAGAGAGATTCCAGAGA
 AACTTTAATGAGTTACTAAATCAATGGATGGATTTGATCTGATAGAGTTAAAATGATCATGGCTACAAAC
 AGACCAGATACACTGGATCCTGCTTTGCTGCGCCAGGAAGATTAGATAGAAAAATACATATCGATTTAC
 CAAATGAACAAGCAAGATTAGATATATTGAAAATCCACGCAGGACCTATTACAAAGCATGGTGAAATAGA
 TTATGAAGCAATTGTAAGCTTTTTCAGATGGCTTTAATGGAGCAGACCTGAGAAAATGTTTGTACTGAAGCA
 GGTATGTTTGCAATTCGTGCCGATCATGATTTTGTAGTTCAGGAAGACTTCATGAAAGCAGTCAGGAAAG
 TGGCTGACTCCAAGAAGCTGGAGTCCAAGCTGGACTACAAACCTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_025959
Insert Size:	1170 bp
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:	<u>NM_025959.3</u> , <u>NP_080235.2</u>
RefSeq Size:	1564 bp
RefSeq ORF:	1170 bp
Locus ID:	67089
UniProt ID:	<u>P62334</u>
Cytogenetics:	14 C1
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. PSMC6 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]