

Product datasheet for **MC209244**

Psma3 (NM_011184) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psma3 (NM_011184) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psma3
Synonyms: Lmpc8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209244 representing NM_011184
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCTCCATCGGCACTGGGTATGACTTGTCAGCCTCTACGTTCTCTCCTGATGGAAGAGTTTTCCAAG
TTGAATATGCCATGAAGGCTGTGAAAACAGTAGTACAGCTATTGGGATCAGATGTAAGATGGTGTGT
GTTTGGGGTAGAAAACTAGTCCTTTCTAACTTTATGAAGAAGGCTCCAATAAACGTCTTTTTAATGTT
GATCGACATGTTGGAATGGCAGTTGCAGGTTTGCCTGGCAGATGCTCGTTCATTAGCAGACATAGCGAGAG
AAGAAGCATCCAACCTTAGGTCCAACCTCGGCTATAACATTCTCTAAAACATCTTGACAGACAGAGTGGC
CATGTATGTACACGCCTATACACTCTACAGCGCTGTTAGACCTTTTGGCTGCAGTTTCATGTTGGGGTCT
TACAGTGCGAATGATGGTGCACAGCTCTATGATCGACCCATCAGGTGTTTCATATGGTTACTGGGGCT
GTGCGATTGGCAAAGCCAGGCAGGCTGCAAAGACAGAGATAGAAAAGCTTCAGATGAAGGAAATGACTTG
CCGTGATGTAGTTAAAGAAGTTGCAAAAATAATTTACATAGTACACGATGAAGTTAAGGATAAAGCTTTT
GAACTGGAGCTCAGCTGGGTTGGTGAATTAAGTAAAGGAAGACATGAAATTGTTCCCAAAGACATAAGAG
AGGAAGCAGAGAAATATGCCAAGGAATCTTTGAAGGAAGAAGATGAATCAGATGATGACAATATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011184
Insert Size: 768 bp



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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:	NM_011184.5 , NP_035314.3
RefSeq Size:	2374 bp
RefSeq ORF:	768 bp
Locus ID:	19167
UniProt ID:	O70435
Cytogenetics:	12 C2
Gene Summary:	<p>Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex). Binds to the C-terminus of CDKN1A and thereby mediates its degradation. Negatively regulates the membrane trafficking of the cell-surface thromboxane A2 receptor (TBXA2R) isoform 2.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>