

Product datasheet for **MC222502**

Psm2 (NM_134101) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psm2 (NM_134101) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psm2
Synonyms:	9430095H01Rik; AA407121; TEG-190; Tex190
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222502 representing NM_134101
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGGTTGGACGAGACAAGACACCCGTGCAGTCCCAACAGCCCTCCGCGACAACCCCGAGCGCG
 CGGACGAGAAGTCGAGTGCCAAGGAGCGAAGGGATGCCGGGAAAAAGACAAAGAGCAGGAGCTGTCTGA
 GGAGGACAAACAGCTTCAAGATGAACTGGAGATGCTCGTGGAGCGACTCGGGGAGAAAGATACATCTCTA
 TATCGACCAGCTCTGGAGGAAGTGAAGACAATTCGTTCTTCTACAACCTCCATGACTTCAGTACCCA
 AGCCTCTCAAATTTCTCGTCCACACTATGGCAAATTAAGGAAATCTATGAGAACATGGCCCTGGGGA
 GAATAAGTGTTCGAGCTGACATCATCTCTGTTTGGCCATGACCATGAGTGGTGGAGCGGGAGTGCCTC
 AAGTATCGGCTCGTGGGCTCCAGGAAGAACTGGCGTCATGGGGCCATGAATACGTCAGACATCTGGCAG
 GAGAGGTGGCCAAGGAGTGGCAGGAGCTGGATGATGCAGAGAAAGCACAGCGGGAACCACTGCTTACCTT
 GGTAAAGGAAATCGTCCCCTACAACATGGCTCACAAATGCAGAGCACGAGGCTTGTGACCTGCTCATGGAA
 ATTGAGCAGGTGGACATGCTAGAGAAGGACATTGATGAGAACGCCTACGCCAAGGTCTGCCTCTATCTCA
 CCAAGTTGTGAATTATGTACCAGAACCTGAGAACTCTGCCCTCCTGCGCTGCGCCTTGGGCGTGTCCG
 AAAGTTTAGCCGTTCCCTGAAGCTCTGAGATTGGCACTGATGCTCAATGACATGGAACCTGGTAGAAGAC
 ATTTTCACTTCTGCAAAGATGTGGTGGTCCAGAAGCAGATGGCATTGATGCTGGGTCCGCATGGAGTGT
 TCCTGGAGCTGAGTGAAGATGTAGAGGAATATGAAGACCTCACAGAAATCATGTCCAATGTCCAGCTCAA
 CAGCAACTTCTGGCTTAGCTCGGGAGCTGGACATCATGGAGCCCAAGGTGCCTGATGACATCTACAAA
 ACCCACCTAGAGAATAACAGGTTTGGTGGCAGTGGCTCAAGTGGATTCTGCACGAATGAACCTAGCCT
 CCTCTTTTGAATGGCTTTGTGAATGCAGCCTTTGGTCAAGATAAACTACTGACTGATGGCAACAA
 ATGGCTTTACAAGAACAAGGACCATGGGATGCTAAGTGCTGCTGCGTCTCTTGGCATGATTCTGCTGTGG
 GATGTGGATGGTGGCCTCACCCAGATTGACAAGTATCTGTACTCCTCTGAGGACTACATCAAGTCAGGAG
 CTCTCCTTGCCTGTGGTATCGTGAATCTGGAGTCCGGAATGAGTGTGATCCTGCCCTGGCACTGCTTTC
 AGACTATGTTCTCCATAACAGCAATACCATGAGACTTGGCTCCATCTTTGGGCTAGGTTTGGCCTATGCT
 GGCTCTAATCGGGAAGATGTTCTAACACTGCTGCTACCTGTAATGGGAGATTCCAAGTCCAGCATGGAGG
 TGGCAGGTGTGACGGCTAGCTTGTGGGATGATAGCAGTGGGGTCTGCAATGGAGATGCACTTCCAC
 CATCCTTCAGACCATCATGGAGAAATCTGAGACTGAGCTCAAGGATACCTATGCTCGTTGGCTTCTCTT
 GGCTGGGCTCAATCACTTGGGAAAGGCGAAGCTATTGAGGCCATCCTGGCTGCCTTGGAGGTGGTGT
 CAGAGCCATCCGCAATTTGCCAATACCTGGTGGATGTATGTCCATGCAGGCTCTGGGAATGTGCT
 GAAGGTTACGACGCTCCTCCACATCTGTAGTGAGCACTTTGACTCTAAGGAAAAGGAGGAAGACAAGAC
 AAGAAGGAAAAGAAGGACAAGGACAAGAAGGAAGCCCTGCTGACATGGGAGCACATCAGGGAGTAGCTG
 TTCTGGGCATTGCACTTATTGCTATGGGGGAAGAGATTGGTGCAGAGATGGCATTGCGAATTTTGGTCA
 CTTGCTGAGATATGGGGAGCCTACCCTCCGTCGCGCTGTACCTTTAGCACTGGCACTAATTTCTGTTTCA
 AATCCACGACTCAACATCCTGGATACGCTAAGCAAATCTCTCATGATGCTGATCCAGAAGTTTCTATA
 ACTCCATCTTTGCTATGGCATGGTGGCAGTGGTACCAATAATGCCGCTCGCTGCAATGTTGGCCCA
 GTTAGCTCAATATCATGCCAAGGACCCCAATAACCTCTCATGGTGGCCTTGGCACAGGCTTGCACAT
 TTAGGGAAGGGCACACTTACCCTCTGCCCTATCACAGTATCGGCAGCTCATGATCAAGTAGCGGTGG
 CAGGGCTACTCACGGTGTGTTTCTTTCTGGATGTTGAAACATCATCCTAGGCAAGTCTCACTATGT
 CCTGTATGGGCTGGTAGCCGCATGCAGCCTCGGATGCTGGTTACATTTGATGAGGAGCTGCGACCATTG
 CCAGTTTCTGTCCGTGTGGGTCAGGCAGTGGATGTTGGTGGCCAGGCTGGGAAGCAAAAACAATCACAG
 GGTTCAGACTCATACAACGCCAGTGTGCTGGCCATGGGGAGCGGGCAGAGTTGGCCACTGAGGAGTT
 TCTTCTGTACCCCCATTCTGGAAGGCTTTGTTATTCTCGGAAGAACCCCACTATGATCTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_134101

Insert Size:	2727 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_134101.2</u> , <u>NP_598862.1</u>
RefSeq Size:	3000 bp
RefSeq ORF:	2727 bp
Locus ID:	21762
UniProt ID:	<u>Q8VDM4</u>
Cytogenetics:	16 B1
Gene Summary:	<p>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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This transcript (1) is the protein-coding transcript variant.</p>