

Product datasheet for **RN217095**

Gpsm2 (NM_001191962) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpsm2 (NM_001191962) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpsm2
Synonyms:	RGD1560967
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217095 representing NM_001191962
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGAAATTTGATGAGCATGAGGGAAGACCATTCTTTTCATGTCCGCTACAGAATGGAAGCTTCTT
 GCCTCGAGCTGGCCTTGAAGGAGAACGCTGTGTAAATCAGGGGACTGCCGCGCTGGCGTTTCGTTTTT
 TGAAGCCGCGTTCAAGTTGGAAGCTGAAGACCTGAAAACGCTCAGTGCTATTTACAGCCAGCTGGCAAC
 GCTTACTTCTACTTACACGACTACGCCAAGGCGTAGAGTACCACCACCATGACTTAACCTGGCGAGGA
 CTATTGGAGACCAGCTCGGGGAAGCGAAAGCCAGCGGCAATCTTGGAAACACCTTGAAGGTGCTTGGGAA
 CTTTCGATGAAGCGATAGTGTGTTGCCAGCGACACCTGGATATCTCCAGAGAACTTAATGACAAGGTGGGA
 GAAGCAAGAGCTCTATAATCTTGGAAATGTGTATCACGCCAAAGGGAAAAGTTTCGGTGTCCAGGTC
 CACAAGATGTAGGAGAGTTTCCAGAAGAAGTGAGGCTCGCCCTACAGGCAGCTGTGGAGCTCTATGAGGA
 AAACCTGTGTTAGTAAGTCTAGTGTGACCGAGCAGCCAGGGACGAGCCTTTGGAACTCGGCAAC
 ACACACTACCTCCTCGGCAACTCAGGGATGCCGTTATAGCTCATGAGCAGCGTCTCCTGATTGCAAAAAG
 AGTTCCGGAGATAAGGCGGCCGAAAGAAGAGCGTACAGCAACCTCGGAAATGCGTACATATTCCTTGGTGA
 ATTCGAAACTGCTTCCGAATACTACAGGAAGACACTGCTGCTGGCTCGGCAGCTGAAAGACAGAGCCGTG
 GAAGCTCAGTCTGCTACAGTCTTGGGAATACATACACTCTGCTCAGGACTACGAGAAGGCCATCGAGT
 ACCACCTCAAGCACTTAGCGATTGCCAGGAGCTCAAGGATCGAATTGGTGAAGGAGAGCGTGTGGAG
 TTTAGGAAATGCATACACGGCTCTAGGAAATCATGACCAAGCAATGCATTTTGTGAAAAGCACTTGGAA
 ATTTCAAGAGAGGTTGGGGACAAAAGCGGCGAGCTGACTGCACGGCTGAACCTCTCAGACCTGCAGATGG
 TTCTTGGTCTGAGCTATAGCACAATAATTCCATGATGTCTGAGAACATCGAAATCGATGGCAGCTTACA
 TGGTGCAGGCACCAAACTGGGACGAAGACATAGTATGGAGAACATGGAACCTTATGAAGTTAACACCAGAA
 AAGGTCCCGAATTGGAACAGTGAATTTCTCGCTAAACAGAAACCTTGCATTGCCAAATCGTCTGCAAAGC
 TCCTATTTGTCAACAGACTGAAGGGGAAAAAGTCCAAAAGCGGCAGCGCTCCACTAAGGCTCTCCACCA
 CGCCAGCAACCCCATCGACCACCGCGCTCCACATGCCAGAAAGTTCGGCTCGGACGCGGTGGAGAT
 GAGGGATTCTTTGACTTACTGAGGCGACTTACAGCAGCAGGATGGAGGACCAGAGGTGCCACTTACAGG
 AGAACCGGACAGCGTCCGTGGCCGCTTCTCTGCTACCCCAAGATGGTGAAGCACCGTCTGGCTTCTGT
 GGTATCCCCAACACCGATGAGTTTTTAGATCTCCTTGTAGCTCGCAGAGCCCGCTTGGATGACCAG
 AGGGCCAGCTTCAAGTAAATTTGCCAGGGCTCCGTCTGACAGAAGGCAACAATCAGTCCGACTTGGAGCC
 TGATGACAAATGACAAGAAAGAGCCTGATGAGGACTTCTTTGACATCCTGTAAAGTGTACAGGGTCCAG
 GTTAGATGATCAGAGATGTGCTCCACCCTGCTGCCACAAGGGGCGGACTGTCCCCGACGAAGACTTT
 TTTAGCCTCATTTACGCTCTCAAGCTAAAAGGATGGATGAACAAAGAGTTCTGCTACAGAGAGATCCAA
 ACAGGGACAGTGAGTTTGGACTAAAGGAACTTTTGCAAAATAATGCTCTGTTGGAATTTAAGCATTACAGG
 GAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001191962

Insert Size: 2037 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001191962.1, NP_001178891.1</u>
RefSeq Size:	2516 bp
RefSeq ORF:	2037 bp
Locus ID:	362021
Cytogenetics:	2q34