

## Product datasheet for **SC314332**

### **GPSM1 (NM\_015597) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPSM1 (NM_015597) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPSM1
Synonyms:	AGS3
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_015597, the custom clone sequence may differ by one or more nucleotides  
 ATGGAGGCGTCTGCCTAGAGCTGGCGCTGGAGGGCGAGCGTCTGTGCAAGGCGGGCGAC  
 TTCAAGACAGGCGTGGCCTTCTTTGAGGCTGCTGTGCAGGTGGGCACCGAGGACCTGAAG  
 ACACTGAGTGCCATCTACAGCCAGCTGGGCAACGCCTACTTCTACCTGAAGGAGCACGGC  
 CGGGCGCTGGAATACCACAAGCATGACCTCCTGCTGGCGCGACCATCGGTGACCCGATG  
 GGGGAGGCAAGGCCAGTGGAAACCTGGGAAACACACTCAAGGTCCTGGGGCGCTTCGAC  
 GAGGCTGCCGTCTGCTGCCAGCGCATCTGAGCATCGCCCAAGAGCAGGGAGACAAGGTT  
 GGGGAGGCGAGGGCCCTCTACAACATCGGGAACGTGTACCACGCCAAAGCAAGCAACTG  
 TCCTGGAACGCCGCAACGCCACGCAGGACCCCGGGCACCTGCCGCCGATGTCCGAGAG  
 ACCCTGTGCAAGGCCTCCGAGTTCTACGAGAGGAACCTGTCCCTGGTGAAGGAGCTGGGC  
 GACCGTGGCGCAGGGCAGGGCCTACGGCAACCTGGGCAACACCCACTATTTGTTGGGG  
 AACTTCACAGAGGCCACGACCTCCACAAGGAGCGCTGGCCATTGCTAAGGAGTTTGA  
 GACAAGGCAGCCGAGAGGAGGGCTACAGCAACCTGGGGAACGCCACGCTTCTCTGGGG  
 CGCTTTGACGTGGCCGCCGAGTACTACAAGAAGACGCTGCAACTGTCTCGGCAGCTCAGG  
 GACCAGGCAGTGGAGGCGCAGGCCTGCTACAGTCTGGGCAACACCTACACGCTGCTGCAG  
 GACTACGAGCGCGCGGCCGAGTACCACCTGCGGCACCTGCTCATTGCCAGGAGCTGGCC  
 GACAGAGTGGGCGAGGGCCGGCGTGTGGAGCCTGGGAAATGCCTACGTGTCCATGGGG  
 CGCCAGCGCAGGCCCTGACCTTCGCCAAGAAGCACCTGCAGATCTCCAGGAGATCGGG  
 GACCGCCATGGGAGCTCACGGCCCGCATGAACGTGGCGCAGCTGCAGCTGGTGTCTGGC  
 CGCCTGACCAGCCCGGCAGCCTCAGAGAAGCCTGACCTGGCCGGTATGAGGCCAGGGG  
 GCCAGACCCAAGAGGACGCAGAGGCTGAGCGCGGAGACCTGGACCTGCTGAGACTCCCC  
 CTGGAGCGGGAGCAGAATGGAGACAGCCACCATTAGGGGACTGGCGGGGGCCAGCAGG  
 GACTCGTACCCCTCCCGTGGAGGAGCAGGAAGTACCAGGAAGGCCCGGACGCTGAGAGG  
 AGGCCCGGGAGGGCAGCCTCCCGCTGGACAGCGCCGACGTCCGGGTGCACGTGCCA  
 CGCAGGAGCATCCCGAGGGCCCCGTCTTCGACGAGGAGTGTCTTTGACCTGTTGACC  
 AAGTTCAGAGCAGCCGATGGACGACCAGCGTTGTCCCTGGACGATGGCCAGGCCGGG  
 GCTGCCGAGGCCACGGCCGCCCCACCCTGGAGGACAGGATCGCCAGCCCTCGATGACG  
 GCCTCGCCCCAGACCGAGGAATTCTTCGACCTCATCGCCAGCTCCAGAGCCGCCGGCTG  
 GACGACCAGCGGGCCAGCGTGGGACGCTGCCGGGGCTGCGAATACCCACAGCAATGCA  
 GGGCACCTCCGAGGCCACGGCGAGCCCCAGGAGCCGGGGGACGACTTCTCAACATGCTC  
 ATCAAGTACCAGTCTCCAGGATCGATGACCAGCGCTGCCCGCCACCTGACGTAAGTCCC  
 CGGGGCCCTACCATGCCGACGAGGACTTCTTCAGCCTCATTAGAGGGTGCAGGCTAAG  
 CGCATGGACGAGCAGCGGTGGACCTCGCCGGGGGCCCGGAGCAGGGGGCAGGCGGCCCG  
 CCCGAGCCCCAGCAGCAGTGCCAGCCTGGTGGCAGC

**Restriction Sites:** Please inquire

**ACCN:** NM\_015597

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:**

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\\_015597.2](#), [NP\\_056412.2](#)

**RefSeq Size:** 1959 bp

**RefSeq ORF:** 1959 bp

**Locus ID:** 26086

**UniProt ID:** [Q86YR5](#)

**Cytogenetics:** 9q34.3

**Gene Summary:** G-protein signaling modulators (GPSMs) play diverse functional roles through their interaction with G-protein subunits. This gene encodes a receptor-independent activator of G protein signaling, which is one of several factors that influence the basal activity of G-protein signaling systems. The protein contains seven tetratricopeptide repeats in its N-terminal half and four G-protein regulatory (GPR) motifs in its C-terminal half. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (2) lacks multiple 3' exons and its transcription extends past a splice site used in variant 1, resulting in a distinct 3' coding region and 3' UTR. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.