

## Product datasheet for **SC331397**

### GPSM1 (NM\_001200003) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GPSM1 (NM\_001200003) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GPSM1  
**Synonyms:** AGS3  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331397 representing NM\_001200003.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGACGACCAGCGTTGTCCCCTGGACGATGGCCAGGCCGGGGCTGCCGAGGCCACGGCCGCCCCACC  
CTGGAGGACAGGATCGCCCAGCCCTCGATGACGGCCTCGCCCCAGACCGAGGAATTCTTCGACCTCATC  
GCCAGCTCCCAGAGCCGCGGCTGGACGACCAGCGGGCCAGCGTGGGCAGCCTGCCGGGGCTGCCAATC  
ACCCACAGCAATGCAGGGCACCTCCGAGGCCACGGCGAGCCCCAGGAGCCGGGGGACGACTTCTTCAAC  
ATGCTCATCAAGTACCAGTCTCCAGGATCGATGACCAGCGCTGCCCGCCACCTGACGTACTGCCCCGG  
GGCCCTACCATGCCGGACGAGGACTTCTTCAAGCCTCATTAGAGGGTGCAGGCTAAGCGCATGGACGAG  
CAGCGGGTGGACCTCGCCGGGGGCCGGAGCAGGGGGCAGGCGGCCCGCCGAGCCCAGCAGCAGTGC  
CAGCCTGGTGCAGCTAA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001200003  
**Insert Size:** 501 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).



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**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\\_001200003.1](#)

**RefSeq Size:** 2199 bp

**RefSeq ORF:** 501 bp

**Locus ID:** 26086

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

**Cytogenetics:** 9q34.3

**MW:** 18 kDa

**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 (4) differs in the 5' UTR, lacks multiple 5' coding exons, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c, also known as AGS3-SHORT) is shorter at the N-terminus, compared to isoform a. Both variants 3 and 4 encode the same isoform (c).