

Product datasheet for **SC326531**

GPSM1 (NM_001145639) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPSM1 (NM_001145639) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPSM1
Synonyms:	AGS3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145639, the custom clone sequence may differ by one or more nucleotides ATGGACGACCAGCGTTGTCCCCTGGACGATGGCCAGGCCGGGGCTGCCGAGGCCACGGCC GCCCCACCCTGGAGGACAGGATCGCCCAGCCCTCGATGACGGCCTCGCCCCAGACCGAG GAATTCTTCGACCTCATCGCCAGCTCCCAGAGCCGCCGGCTGGACGACCAGCGGGCCAGC GTGGGCAGCCTGCCGGGGCTGCGAATCACCCACAGCAATGCAGGGCACCTCCGAGGCCAC GGCGAGCCCCAGGAGCCGGGGGACGACTTCTTCAACATGCTCATCAAGTACCAGTCTCC AGGATCGATGACCAGCGTGCCTGCCACCTGACGTACTGCCCCGGGGCCCTACCATGCCG GACGAGGACTTCTCAGCCTCATTGAGAGGGTGCAGGCTAAGCGCATGGACGAGCAGCGG GTGGACCTCGCCGGGGCCCGGAGCAGGGGGCAGGCGGCCCGCCGAGCCCCAGCAGCAG TGCCAGCCTGGTGCAGC
Restriction Sites:	Please inquire
ACCN:	NM_001145639
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).



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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_001145639.1](#), [NP_001139111.1](#)

RefSeq Size: 2075 bp

RefSeq ORF: 501 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 (3) 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).