

Product datasheet for **RG233343**

GPSM1 (NM_001200003) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPSM1 (NM_001200003) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GPSM1
Synonyms: AGS3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233343 representing NM_001200003
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGACCAGCGTTGTCCCCTGGACGATGGCCAGGCCGGGGCTGCCGAGGCCACGGCCGCCCCACCC
 TGGAGGACAGGATCGCCAGCCCTCGATGACGGCCTCGCCCGAGACCGAGGAATTCCTCGACCTCATCGC
 CAGCTCCCAGAGCCGCGGCTGGACGACCAGCGGCCAGCGTGGCAGCCTGCCGGGGTGCGAATCACC
 CACAGCAATGCAGGGCACCTCCGAGGCCACGGCGAGCCCCAGGAGCCGGGGGACGACTTCTCAACATGC
 TCATCAAGTACCAGTCTCCAGGATCGATGACCAGCGCTGCCCGCCACCTGACGTACTGCCCGGGGCC
 TACCATGCCGGACGAGGACTTCTCAGCCTCATTAGAGGGTGCAGGCTAAGCGCATGGACGAGCAGCGG
 GTGGACCTCGCCGGGGCCCGGAGCAGGGGGCAGGCGGCCCGCCGAGCCCCAGCAGCAGTCCAGCCTG
 GTGCGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233343 representing NM_001200003
 Red=Cloning site Green=Tags(s)

MDDQRCPLDDGQAGAAEATAAPTLEDRIAQPSMTASPQTEEFFDLIASSQSRRLLDDQRASVGSPLPLRIT
 HSNAGHLRGGHGEPEGDDFFNMLIKYQSSRIDDRCPDVLPRGPTMPDEDFSLIQRVQAKRMDEQR
 VDLAGGPEQGAGGPEPQQCQPGAS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001200003

ORF Size: 498 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001200003.2](#)

RefSeq Size: 2199 bp

RefSeq ORF: 501 bp

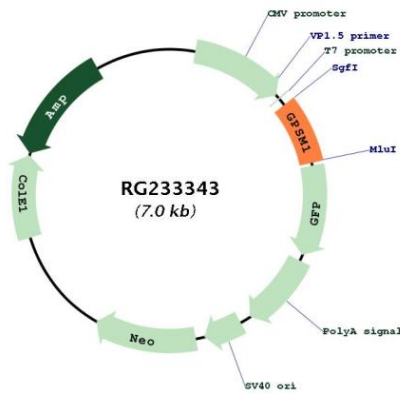
Locus ID: 26086

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]

Product images:



Circular map for RG233343