

Product datasheet for **RC233343**

GPSM1 (NM_001200003) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPSM1 (NM_001200003) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GPSM1
Synonyms: AGS3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233343 representing NM_001200003
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGACAGCGTTGTCCCCTGGACGATGGCCAGGCCGGGGCTGCCAGGCCACGGCCGCCCCACCC
 TGGAGGACAGGATCGCCAGCCCTCGATGACGGCCTCGCCCCAGACCGAGGAATTCTTCGACCTCATCGC
 CAGCTCCCAGAGCCGCGGCTGGACGACAGCGGCCAGCGTGGGCAGCCTGCCGGGGCTGCGAATCACC
 CACAGCAATGCAGGGCACCTCCGAGGCCACGGCAGCCCCAGGAGCCGGGGGACGACTTCTTCAACATGC
 TCATCAAGTACCAGTCTCCAGGATCGATGACCAGCGCTGCCCGCCACCTGACGTACTGCCCCGGGGCCC
 TACCATGCCGGACGAGGACTTCTTCAGCCTCATTAGAGGGTGCAGGCTAAGCGCATGGACGAGCAGCGG
 GTGGACCTCGCCGGGGGCCCGGAGCAGGGGCGAGCGGCCCGCCGAGCCCCAGCAGCAGTGCCAGCCTG
 GTGCGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233343 representing NM_001200003
 Red=Cloning site Green=Tags(s)

MDDQRCPLDDGQAGAAEATAAPTLEDRIAQPSMTASPQTTEFFDLIASSQSRRLDDQRASVGSPLGLRIT
 HSNAGHLRGHGEPQEPGDDFFNMLIKYQSSRIDDDQRCPPPDVLPRGPTMPDEFFSLIQRVQAKRMDEQR
 VDLAGGPEQGAGGPPEPQQCQPGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001200003.2](#)

RefSeq Size: 2199 bp

RefSeq ORF: 501 bp

Locus ID: 26086

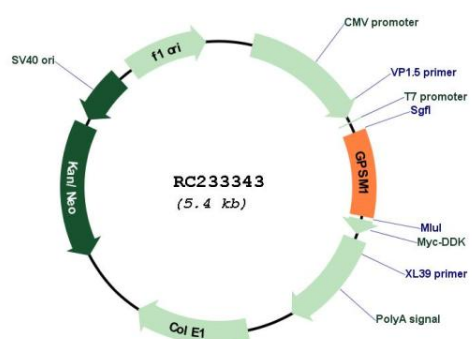
UniProt ID: [Q86YR5](#)

Cytogenetics: 9q34.3

MW: 18.5 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]

Product images:



Circular map for RC233343