

Product datasheet for **RC233330**

GPSM3 (NM_001276501) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	GPSM3
Synonyms:	AGS4; C6orf9; G18; G18.1a; G18.1b; G18.2; NG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC233330 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCTGAGAGACCCAGGAAGAAGAGGATGGTGAGCAGGGCCCCCTCAGGATGAGGAAGGCTGGC
CCCCTCCAAACTCCACCACTCGGCCTTGCGATCTGCTCCTCCATCCCCCTCCTCCTCAGGACCCGCCA
CACAGCCCTGGGACCCGCTCGGCCTCCCTGCTCTCCCTGCAGACTGAACCTCTTGACCTGGTGGCT
GAAGCCCACTCCCGCCGCTGGAGGAGCAGAGGGCCACCTTCTACACCCCAAAACCCCTCAAGCCTAG
CCCCTGCCCCACTCCGTCCTCTCGAGGACAGAGAACAGCTTTACAGCACTATCCTCAGTCACCACTGCCA
GCGGATGGAAGCCAGCGGTCAAGCCTCCCTCCCTCAGGGGGCAAGAGCTCCTGGAGTTGCTGCTG
AGAGTTCAGGTGGGGTCAATGGAGGAGCAAGGTCCCGCCCCCACACACCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233330 protein sequence
Red=Cloning site Green=Tags(s)

MEAERPQEEEDGEQPPQDEEGWPPNSTRPWSAPSPPPPGTRHTALGPRASLLSLQTELLLDLVA
EAQSRRLLEEQRATFYTPQNPSSLAPLRPLEDREQLYSTILSHQCQRMEAQRSEPPLPPGGQELLELLL
RVQGGGRMEEQRSRPPTHCT

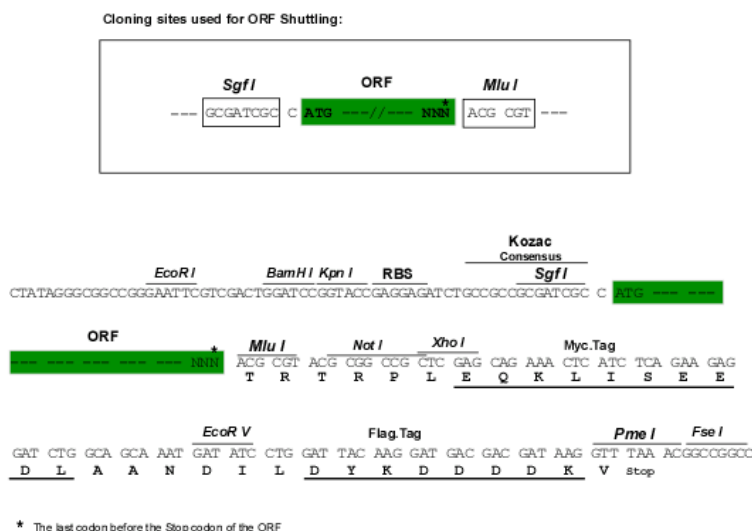
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6574_g08.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001276501

ORF Size: 480 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).

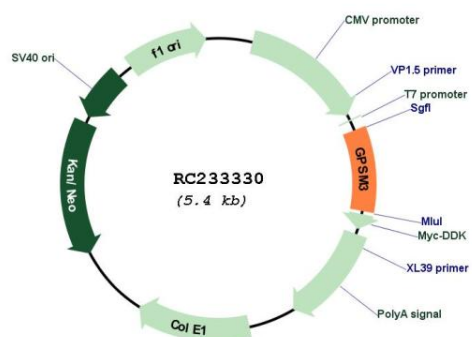
Reconstitution Method:

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:	<u>NM_001276501.2</u>
RefSeq Size:	1501 bp
RefSeq ORF:	483 bp
Locus ID:	63940
UniProt ID:	<u>Q9Y4H4</u>
Cytogenetics:	6p21.32
MW:	17.9 kDa
Gene Summary:	Interacts with subunit of G(i) alpha proteins and regulates the activation of G(i) alpha proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233330