

Product datasheet for **MR201224**

Gpsm3 (NM_134116) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: Myc-DDK
Symbol: Gpsm3
Synonyms: AA960287; AGS4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR201224 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCTGAAAGACCCAGGAAGAAGATGGTGAACAGAGTCTCCCGCAGGATGATCAGGGATGCCCC
CTGTGAATGCCACCGCTCGGCCTTGAGATCTGCTCCTCCCTCCCTCCTCCTGGAACCCGACACAC
AGCCCTAGGGCCCCGTTCTGGCTCCTGCTCTCCCTGCAGACTGAGCTCCTTCTGGACCTAGTGGCCGAA
GCCAGTCCCGCCGCTAGAGGAACAGAGGGCCACCTCCACACCCCGAGGCCACCAACCTAGCCC
CAGCCCCACCCCGGCTTCTTGAAGACAAAGAACAGCTCTACAGCACCCTCTTAGTCACCAAGTCCAGCG
GATTGAAGCCCAACGGTCTGACCCGCCCTTCCCCCGGGGGCAGGAGCTTCTGGAGTTGCTGCTGAGA
GTTCAGGGTGGAGTGAATGGAGGAGCAGAGATCCCGGCCTCTACACACCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201224 protein sequence
Red=Cloning site Green=Tags(s)

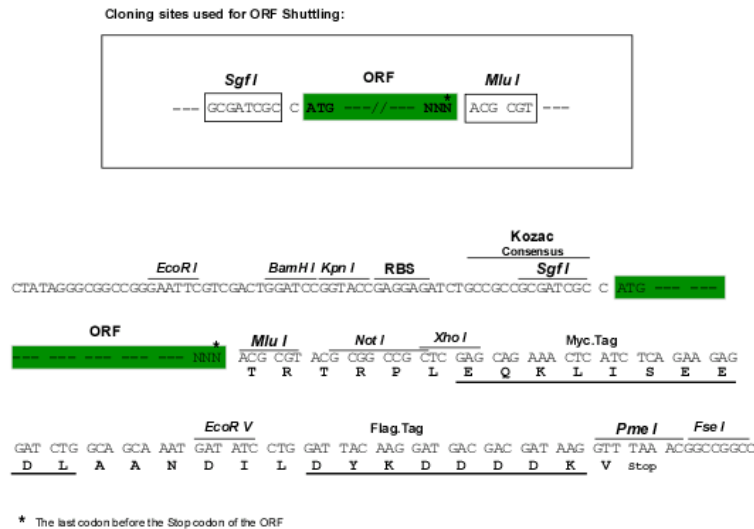
MEAERPQEEDEQSLPQDDQGWPPVNATARPWRSAPSPPPPGRHTALGPRSGSLLSLQTELLDLVAE
AQSRRLLEEQRATFHTPEAPPNLAPAPRLLLEDKEQLYSTILSHQCQRIEAQRSDPPLPPGGQELLELLR
VQGGRMEEQSRPPTHCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_134116

ORF Size: 477 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.

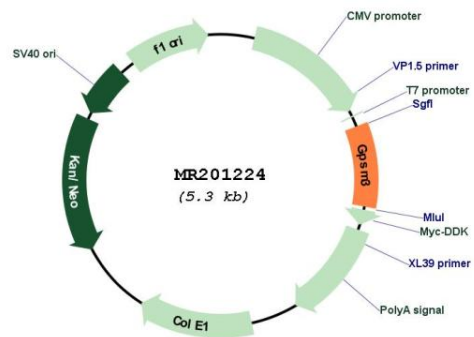
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_134116.5](#)

RefSeq Size: 1359 bp
 RefSeq ORF: 480 bp
 Locus ID: 106512
 UniProt ID: [Q3UIZ5](#)
 Cytogenetics: 17 B1
 MW: 17.6 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 MR201224