

Product datasheet for **MG201867**

Msi2h (BC109368) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msi2h (BC109368) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Msi2h
Synonyms: msi2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201867 representing BC109368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCCAAATGGGAGCCAGGCACCTCGGGCAGCGCCAACGACTCCCAGCAGACCCCGGTAATGTT
 TTATCGGTGGACTGAGCTGGCAGACCTCACCAGATAGCCTTAGAGACTATTTAGCAAATTTGGAGAAAT
 TAGAGAATGTATGGTCATGAGAGATCCCACAACGAAACGCTCCAGAGGCTTCGGTTTCGTCACCTTCGCA
 GACCCAGCAAGTGTAGATAAAGTATTAGGTGAGCCCAACATGAGTTAGATTCCAAGACGATTGACCCAA
 AAGTTGCATTTCCCTCGTCGAGCGCAACCTAAGAGTCAAGAGCAGGGAGGCTCCTGGAACGCACATGGAC
 CACAGTCCAAGCTCGGGCTGCCTCAGGTGACCAGAAAAAGGTTGGCTTGTGAGACTCTGCTGCCCTTTC
 CCGGCTTTCCTCCCTCCGCGGCCTGGCAGACGAGGCTTTAGAGGCTTCTGATGGGCAACCCGGAGC
 TTTCTGCAATCCAGCTCTGGCTTTTCTTACCCAGCCGTTCTTTCTCACAGCGAAGAGGATACAATTCAG
 CACCAATAATGCCGAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201867 representing BC109368
 Red=Cloning site Green=Tags(s)

MEANGSPGTSGSANDSQHDPGKMF IGGLSWQTSPLSLRDYFSKFGEI RECMVMRDPTTKRSRGGFVTF
 DPASVDKVLGQPHHELD SKTIDPKVAFPRRAQPKSQEQGGSWKRTWTTVQARAASGDQKKVGLSDSAA
 LFPALPVPVPRRGRGFRGFLMGNPELSAIQLWFLPQPFFLTAKRIQFSTNNAEQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: BC109368

ORF Size: 581 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: [BC109368](#), [AAI09369](#)

RefSeq Size: 711 bp

RefSeq ORF: 581 bp

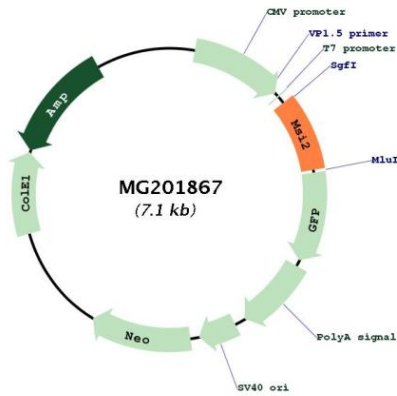
Locus ID: 76626

Cytogenetics: 11 C

Gene Summary:

RNA binding protein that regulates the expression of target mRNAs at the translation level. May play a role in the proliferation and maintenance of stem cells in the central nervous system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201867