

Product datasheet for MR201867

Msi2h (BC109368) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msi2h (BC109368) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Msi2h
Synonyms: msi2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201867 representing BC109368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGCCAAATGGGAGCCAGGCACCTCGGGCAGCGCCAACGACTCCCAGCAGACCCCGGTAAAATGT
 TTATCGGTGGACTGAGCTGGCAGACCTACCAGATAGCCTTAGAGACTATTTAGCAAATTTGGAGAAAT
 TAGAGAATGTATGGTCATGAGAGATCCCACAACGAAACGCTCCAGAGGCTTCGGTTTCGTCACCTTCGCA
 GACCCAGCAAGTGTAGATAAAGTATTAGGTCAGCCCCACCATGAGTTAGATTCCAAGACGATTGACCCAA
 AAGTTGCATTTCTCGTCGAGCGCAACCTAAGAGTCAAGAGCAGGGAGGCTCCTGGAACGCACATGGAC
 CACAGTCCAAGCTCGGGCTGCCTCAGGTGACCAGAAAAAGGTTGGCTTGTGAGACTCTGCTGCCCTTTC
 CCGGCTCTTCCCGTCCCTCCGCGCCTGGCAGACGAGGCTTTAGAGGCTTCTGTATGGGCAACCCGAGC
 TTTCTGCAATCCAGCTCTGGCTTTTCTTACCCAGCCGTTCTTTCTCACAGCGAAGAGGATACAATTCAG
 CACCAATAATGCCGAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201867 representing BC109368
 Red=Cloning site Green=Tags(s)

MEANGSPGTSQSANDSQHDPGKMF IGGLSWQTSPLSLRDYFSKFGEIRECMVMRDPTTKRSRGGFVTF
 DPASVDKVLGQPHHELDKSIDPKVAFPRRAQPKSQEQGGSWKRTWTTVQARAASGDQKKVGLSDSAA
 LFPALVPVPRPGRGFRGFLMGNPELSAIQLWFLPQPFFLTAKRIQFSTNNAEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC109368

ORF Size: 579 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

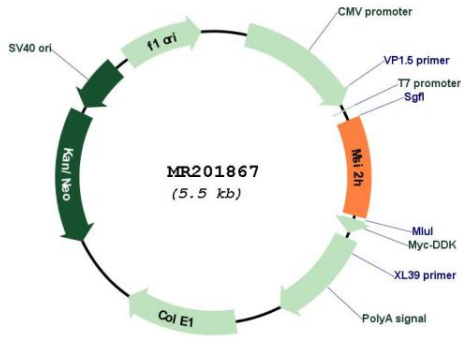
Locus ID: 76626

Cytogenetics: 11 C

MW: 26.1 kDa

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 MR201867