

Product datasheet for MR228202

Zmat4 (NM_001277239) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zmat4 (NM_001277239) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Zmat4
Synonyms: 9630048M01Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228202 representing NM_001277239
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGATAAGAATAAATGCTGTACACTCTGTAACTGTCTTTACCTCAGCTGTGGTGGCCGACTCAC
 ATTACCAAGGCAAAATCCACGCCAAAAGGTTAAACTGTTGCTAGGAGAGAAACCTCCACTGAAACCAC
 AGCCGCTCCGCTGAGCTCACTTAAGGCTCCTCGAGTGGATACGGCCCCGTTGGTCGCATCTCCCTATCAA
 AGAAGAGACTCAGACAGGTACTGCGGTCTCTGCGCAGCCTGGTTAACAATCCTCTGATGGCCAGCAGC
 ATTACGAAGGCAAGAAACACAAAAGAAGCAGCCCGCTTGCCTTGCTAGAGCAGCTCGGAACATCTCT
 GGATCTGGGAGAACTGAGAGGTCTGAGACGTACTTACAGATGTACCACGTGCAGTGTGTCGCTCAACTCC
 ATAGAACAGTATCATGCATCTGCAAGGATCAAAACATCAGACCAACCTGAAGAATAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

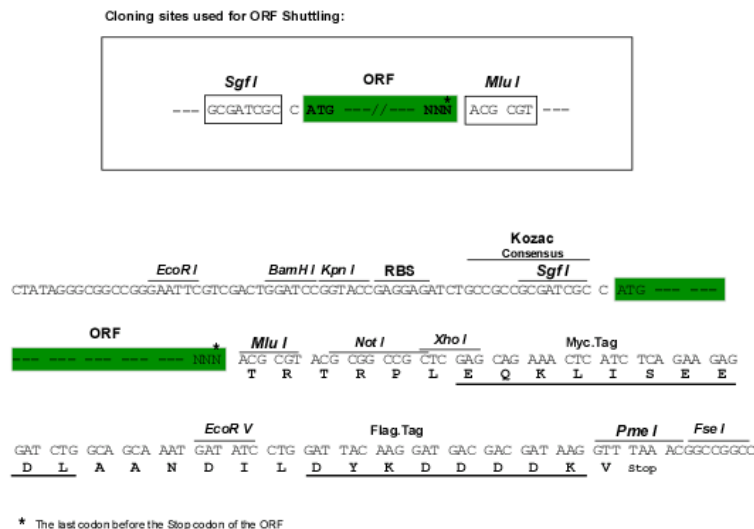
Protein Sequence: >MR228202 representing NM_001277239
 Red=Cloning site Green=Tags(s)

MVDKNKCCTLCNMSFTSAVVADSHYQGIHAKRLKLLGKPLKTTAAPLSSLKAPRVDTAPVVASPYQ
 RRDSRYCGLCAAWFNNPLMAQQHYEGKKHKNAARVALLEQLGTSLDLGLRGLRRTYRCTTCSVSLNS
 IEQYHAHLQGSKHQTNLKNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001277239

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: [NM_001277239.1](#), [NP_001264168.1](#)

RefSeq Size: 4247 bp

RefSeq ORF: 483 bp

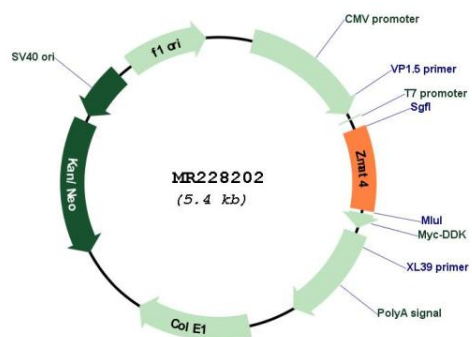
Locus ID: 320158

UniProt ID: Q8BZ94

Cytogenetics: 8 A2

MW: 18.3 kDa

Product images:



Circular map for MR228202