

Product datasheet for MR222948

Muc5ac (NM_010844) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Muc5ac (NM_010844) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Muc5ac
Synonyms: 2210005L13Rik; MGM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222948 representing NM_010844
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTGTCGGCCGAGAAAGTTGGTCCCATTCTGGTCTAGCCCTGGCCCTGGCCTGCAGCCAATGCA
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AACCTGGGTGGGGGCGACGGAGATCATGGTGAAGCTACTGGAGAGGTCTTTGTGAACAGATCTACA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >MR222948 representing NM_010844
 Red=Cloning site Green=Tags(s)

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 KTECPKINCPQQAQLREDGCCYDCPLPNQKCTVHQRQIIRQQNCSSEGPVSI SYCQGNCGDSISMSYS
 LEANKVEHTCECCQELQTSQRNVTLRDDGSSQTF SYTQVEKCGCLGQQCHALGDTSHAESSEQEFKSKE
 SEEHGQQLAFRVSEDMLGPFQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9105_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010844

ORF Size: 8253 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](#)

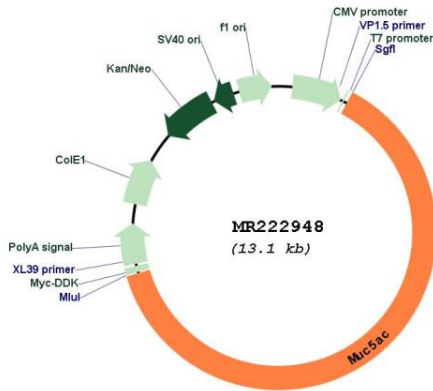
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_010844.1](#), [NP_034974.1](#)
 RefSeq Size: 8505 bp
 RefSeq ORF: 8256 bp
 Locus ID: 17833
 Cytogenetics: 7 87.23 cM
 MW: 298.9 kDa

Product images:



Circular map for MR222948