

## Product datasheet for **MG222948**

### Muc5ac (NM\_010844) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Muc5ac (NM_010844) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Muc5ac
Synonyms:	2210005L13Rik; MGM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222948 representing NM_010844 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGTCGGCCGAGAAAGTTGGTCCCATTCTGGTCTAGCCCTGGCCCTGGCCTGCAGCCAATGCA  
CAGGCCAGGCTCAACAGGACTCTCTGAAATCGTACCATGAACACCGCTCTGATGTTCTCACCTCAAGG  
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AGTGAGGAACATGGCCAGCAGTTGGCATTACAGGTCAGCGAGGACATGCTTGGGCTTTCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG222948 representing NM\_010844  
 Red=Cloning site Green=Tags(s)

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 FNPGHTRRVCSTWGNFHYKTFDQVYFYPGLCNYVFSAHCGDAYEDFNIQLRRVQESNTTTL SRVTM KLD  
 GLVVELTKSSVLVNNHPVQLPFSQSGVLIELSNGYLKVVARLGLLFWNEDDSLLELDTKYTNKTCGLC  
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 VDISSYVEACRQDVCLCESLDPSDCICHTLAEYSRQCAHAGQPQDWRGPNLCSQTCPLNMQHCECGSPC  
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 LEANKVEHTCECCQELQTSQRNVTLRDDGSSQTF SYTQVEKCGCLGQQCHALGDTSHAESSEQEFKSKE  
 SEEHGQQLAFRVSEDMLGPFQ

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010844.1</a> , <a href="#">NP_034974.1</a>
<b>RefSeq Size:</b>	8505 bp
<b>RefSeq ORF:</b>	8256 bp
<b>Locus ID:</b>	17833
<b>Cytogenetics:</b>	7 87.23 cM