

## Product datasheet for **MG221428**

### Gm16442 (NM\_001167148) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm16442 (NM_001167148) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm16442
Synonyms:	EG667071; Vmn1r92
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221428 representing NM_001167148 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGCTCATGGTAAATCCGTGAAAACCACTGAGGAAGTAGCTCTTCAGCTCCTCTTGTGTTTGGCCAGT  
TTGGGGTTGGGACTGTGGCCAATGTCTTTCTGTTGTCCATAATTTCTCTCCAGTCTTGACTGGTTCTAA  
ACAGAGGCCAGACAGGTGATTTAAGCCACATGGCTGTGGCCAATGCCTTGACTCTATTCCTCACTATA  
TTTCCAAACAACATGATGGCTTTTGTCTCCAAAACCTCCAACCTGAACCTCAAATGTAATAGAAATCCT  
TCAGTCACCTGGTGGCAAGAAGCACAAACTTGTGTCCACCTGTGTCCTGGGTGCCATCAGTTTGTCCAC  
TCTGGTTCTCTTAATAGAGGAAAGGTAACCTTGTACTTAGAGCAAGTGTACAAAACATGGCAAGTTAT  
TCTTCTTACAGTTGTTGGTTTTTCAAGTGTCTTAAGTAACATTCACATTCCAATTAAGGTCAGTGGTCCAC  
AGATAACAGACAATAACACTGACTCAAACAGAAAGTTGTTCTGTTCCACTTCTGGATTCAAGTGTAGGCAT  
TGTCTCTTGCAGTTTGCCTATGATGCCACATTCATGAGCATCATGGTCTGGACCAGTGTCTCCATGGTA  
CTTCTCTCCATAGACATCGCCAGCGAATGCAGCACATCTCACTCCCAATCAGGACGCCAGAGGCCAAG  
CTGAGACCAGAGCAACCTGACTATCTTGATGCTGGTAGTCACATTTGTTAGCTTTTATCTTCTAAATTT  
TATTTGTATCATGTTACATGCCCTTTTTATGCATTCTCATTCTTCATAAGGCTTGTGAGTGAATTTTA  
ACTGCAGTCTTCCCAGTATCTCTCTTTACTGTTGATCTTCAGAGATCCCAAGGATCCTTGTCTGTGC  
TCTTCAACTGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG221428 representing NM\_001167148  
 Red=Cloning site Green=Tags(s)

MSAHGKSVKTTEEVALQLLLFCQFGVGTVANVFLFVHNFSPVL T GSKQRPRQVILSHMAVANALTLFLTI  
 FPNNMMAFAPKTPPELTKCKLESFSLVARSTNLCSTCVLGVHQFVTLVPLNRGKGLVLRASVTNMASY  
 SSSYSCWFFSVLSNIHIPIKVSQPQITDNNNTDSNRKLF CSTSGFSVGIVLLQFAYDATFMSIMVWTSVSMV  
 LLLHRHRQRMQHILTPNQDARGQAETRATCTILMLVVTFVSFYLLNFICIMLHALFMHSHFFIRLVSEIL  
 TAVFPSISPLLLIFRDPKDPCSVLFNC

TRTRPLE - GFP Tag - V

**Restriction Sites:**

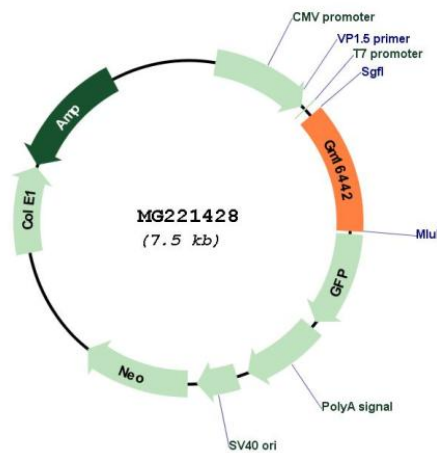
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001167148

**ORF Size:** 921 bp

<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_001167148.1</a> , <a href="#">NP_001160620.1</a>
<b>RefSeq Size:</b>	924 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	620401
<b>Cytogenetics:</b>	7 A3