

## Product datasheet for **MG202205**

### Obox5 (NM\_145709) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Obox5
Synonyms:	C87544
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG202205 representing NM\_145709  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGAAGGTCCCTCCTTGATCCAAACTTCAAGTGGCTTCAAATATACCCATAGAAATCAGATCCC  
AAATACCTCAAGAACCGCAAGGAACCTTAGCTTTCAAATGAGTCAGAGTCCCCTAGTGACCCCGGAAG  
TACAAATGCAATCAAGTCTTTCAGTCCCTGAAAGGAACCTACTTCAGCAAGAGTCTGAAGGATCATCAAGA  
CAATCAGGTTCTATGCCACTGTCAGATAAATATGTTAACAAACAACTGGCCCAATGGCTTCAAGAAAGT  
TTCGAAAAGAACGCACTGTGTACACCAAAGAACAGCAGCGCCTGCTGCAAAAACATTTTGATGAGTGCCA  
GTACCCAAACGAGAAGAAAATTATGGAGCTGGCAGTATCAGTTGGTGTACAAAGATGGAGATCAAGATA  
TGGTTCAAGAACAACCGAGCTAAGTACAGGCGGATGAACCTCCAGAATATTAACAAGCACTGCCAGAGT  
CAAATGGAATCTCTAAAGCGGTTTCTGAGTCAACCCATTTTCTGGTCCATACCTGTTGTTGCCTCTGA  
CAATGGAGAGTCCATGTGTTACAGGCACATTTGGTGAGGATCCATGCCCAAATTCAACTGCAGCCAGGAA  
TCTTTCCTGTATTGTTTCAGGCCTGTGATGGGGACATGTGTTGTCCACAAGAATACCTGCTTGATGGCC  
ATGCCCTGTTACAGCTTGGAACTCTGGTCAATCAGCAGCAGTTGAGTATCAGACTGACATAGCAGTAGC  
TGAAGCTCCAGTCAAGCTGGCATATGCTGCCAAGCCCAAGGATGCTCACAATCCGGTCCATCTGCA  
GACGAGCTTGCCAAAGGATCCTTGAAGACTTT

**ACCGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG202205 representing NM\_145709  
 Red=Cloning site Green=Tags(s)

MAEGPSLHPKLQVASNIPIEIRSQIPQEPARNLAFQMSQSPLVTPGSTMQSSLSVPERNLLQEQSEGSSR  
 QSGSMPLSDKYVVKQTGPMSRKRFRKERTVYTKQQRLQLQKHFDEQCYPNEKKIMELAVSVGVTKMEIKI  
 WFKNNRAKYRRMNLQNIKQALPESNGISKAVSESTHFPGSIPVVASDNGESMCSGTFGEDSMPKFNCSEQE  
 SFLYCFQACDGMCCPQEYLLDGHAPVTAWNSGQSAAVEYQTDIAVAEAPVRLAYAAQAPEDAHNSGPSA  
 DELWQRILEDF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_145709

**ORF Size:** 873 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\\_145709.2](#), [NP\\_663755.2](#)

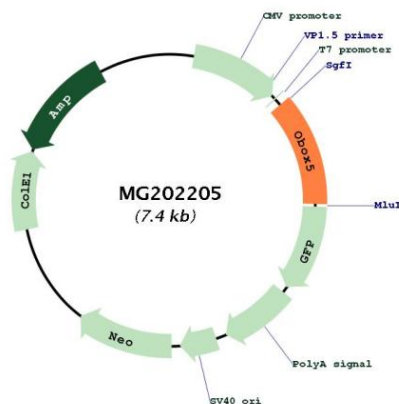
**RefSeq Size:** 1312 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 252829

**Cytogenetics:** 7 A2

### Product images:



Circular map for MG202205