

Product datasheet for **MG200221**

Otos (NM_153114) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Otos (NM_153114) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Otos
Synonyms: OTOSP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200221 representing NM_153114
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGCCTGTGTGCTGTGGTGGCTGGCCCTTGGCATGCTGCTGGGATTCTGCAGGAGCCAAGCCAA
TGCCAGAGGAAGCAGATCCCCACACACAGCCACCAGCTATGCCCTACTGGCCTTTCTCCACCTCTGACTT
CTGGAACCTACGTGCAATATTTCCAGACCCAGGGCGCCTACCCACAGATCGAGGACATGGCCAGAACCTTC
TTTGCACACTTCTCTGGGAGCACCCTAGGCTTCCATGTTCCCTACCAGGAGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200221 representing NM_153114
Red=Cloning site Green=Tags(s)
MQACVLWWLALGMLLGIPAGAKPMPEEADPHTQPPAMPYWPFFSTSDFWNYVQYFQTQGAYPQIEDMARTF
FAHFPLGSTLGFHVPYQED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

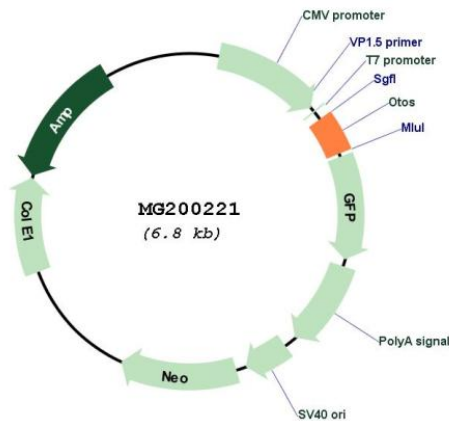


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Cloning Scheme:



Plasmid Map:



ACCN: NM_153114

ORF Size: 267 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:	<ol style="list-style-type: none">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_153114.2 , NP_694754.1
RefSeq Size:	814 bp
RefSeq ORF:	270 bp
Locus ID:	260301
UniProt ID:	Q8R448
Cytogenetics:	1 D
Gene Summary:	May be essential for the survival of the neurosensory epithelium of the inner ear. [UniProtKB/Swiss-Prot Function]