

Product datasheet for **MG200764**

1200002N14Rik (BC021433) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1200002N14Rik (BC021433) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 1200002N14Rik
Synonyms: 1200002N14Rik; Dram
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200764 representing BC021433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCATCGTAGCCAACCTCCAGGAGTTAGCCGTGCCTGTGGTCCATGATGGCGGTGCGCTTCTGGCTT
 TCGTCTGCGGGTGGTGTACACGCTCCTGCAATCGATCATCTCTACAAATCCTGTCCCCAGTGGAACAG
 TCTACCACGTGCCATGTCAGGATGGCCATCTCCGCTGTTTCGTGCGCAGCTGTCGTCCCCATGATTGCC
 TGTGCTTCACTATTTCTATAACCAAGCTGGAATGGAATCCAAAAGAAAAGGATTATATATATCACGTGG
 TGAGCGCCATCTGTGAGTGGACCGTGGCTTTTGGTTTTATTTCTATTTCTAACATTCAAGATTT
 CCAGAGTGTCACTCTAAGGATATCCACAGAAATCAATGACGACTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200764 representing BC021433
 Red=Cloning site Green=Tags(s)
 MGIVANFQELAVPVVHDDGALLAFVCGVVYLLQSIISYKSCPQWNSLTCHVRMAISAVSCAAVPMIA
 CASLISITKLEWNPKEKDYIYHVSAICEWTVAFGFIFYFLTFIQDFQSVTLRISTEINDDF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

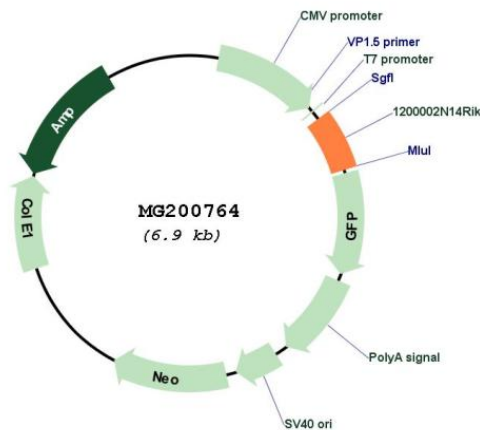


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Cloning Scheme:



Plasmid Map:



ACCN: BC021433

ORF Size: 398 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:	BC021433 , AAH21433
RefSeq Size:	2804 bp
RefSeq ORF:	398 bp
Locus ID:	71712
Cytogenetics:	10 C1
Gene Summary:	Lysosomal modulator of autophagy that plays a central role in p53/TP53-mediated apoptosis. Not involved in p73/TP73-mediated autophagy (By similarity).[UniProtKB/Swiss-Prot Function]