

Product datasheet for **MG201031**

1500015O10Rik (NM_024283) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1500015O10Rik (NM_024283) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 1500015O10Rik
Synonyms: Ecrg4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201031 representing NM_024283
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCACCTCGTCTGCGCGCCTGCAGTCCTGGCCCTTGCCGGGCTGGCTCTGCTCCTTCTGCTGTGCC
 TGGGTCCAGATGGCATAAGTGAAACAACTCAAGAAGATGCTCCAGAAACGAGAAGGACCTGTCCCGTC
 AAAGACTAATGTAGCTGTAGCCGAGAACACAGCAAAGGAATTCCTAGGTGGCCTGAAGCGTGCCAAACGA
 CAGCTGTGGGACCGTACGCGCCTGAGGTACAGCAGTGGTACCAGCAGTTCCTCTACATGGGCTTTGATG
 AGGCTAAATTTGAAGATGATGTCAACTATTGGCTAAACAGAAATCGAAACGGCCATGACTACTATGGTGA
 CTACTACCAGCGTCATTATGATGAAGATGCGGCCATTGGTCCCCACAGCCGGGAAAGCTTCAGGCATGGA
 GCCAGTGTCAACTATGATGACTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201031 representing NM_024283
 Red=Cloning site Green=Tags(s)

MSTSSARPAVLALAGLALLLLCLGPDGISGNLKKMLQKREGPVPSKTNVAVAENTAKEFLGGLKRAKR
 QLWDRTRPEVQQWYQFLYMGFDEAKFEDDVNYWLNRRNRNGHDYQYQRYHYDEDAIIGPHSRESFRHG
 ASVNYDDY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

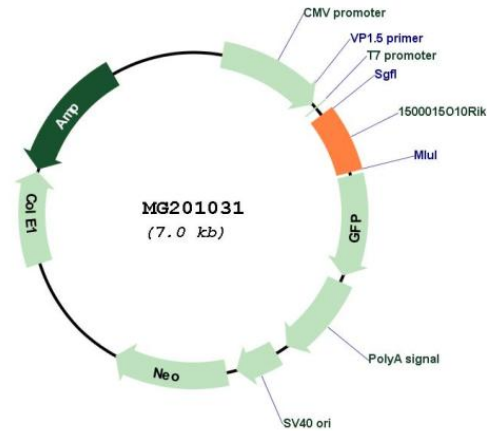


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Cloning Scheme:



Plasmid Map:



ACCN: NM_024283

ORF Size: 444 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:	<u>NM_024283.2</u>
RefSeq Size:	867 bp
RefSeq ORF:	447 bp
Locus ID:	78896
UniProt ID:	<u>Q99LS0</u>
Cytogenetics:	1 C1.1
Gene Summary:	Probable hormone that may attenuate cell proliferation and induce senescence of oligodendrocyte and neural precursor cells in the central nervous system (PubMed:20404145). ECRG4-induced senescence is characterized by G1 arrest, RB1 dephosphorylation and accelerated CCND1 and CCND3 proteasomal degradation (PubMed:20404145).[UniProtKB/Swiss-Prot Function]