

Product datasheet for **MG201083**

5730427N09Rik (BC108365) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 5730427N09Rik (BC108365) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 5730427N09Rik
Synonyms: LNR42, Yr29, Nsa2p
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201083 representing BC108365
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACAAAATGAATATATTGAATTGCACCGCAAACGATACGGATATCGTTTGGACTACCATGAGAAAA
 AGAGAAAGAAAGAAGGTCGGGAGGCCATGAACGTTCAAAGAAGGCAAAAAAATGATTGGCCTGAAGGC
 TAAGCTCTACCATAAACAGCGCCATGCCGAGAAAATACAAATGAAAAAGACTATTAAGATGCATGAGAAG
 AGAAACACCAAGCAGAAGGATGATGAGAAGACGCCACAGGGAGCAGTCCCTGCCTATCTGCTGGACAGAG
 AGGGCCAGTCGAGAGCAAAGTCCTTTCTAACATGATTAAGCAGAAACGAAAGAAAAGGGGGAAAATG
 GGAGGTCCTCTACCCAAGTTCGTGCCAAGGAGAAACAGAAGTATTGAAAGTTATTCCGACAAAAAAA
 AAAAAAAAAAAAAAAGGGCGGCCCTCGCGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201083 representing BC108365
 Red=Cloning site Green=Tags(s)

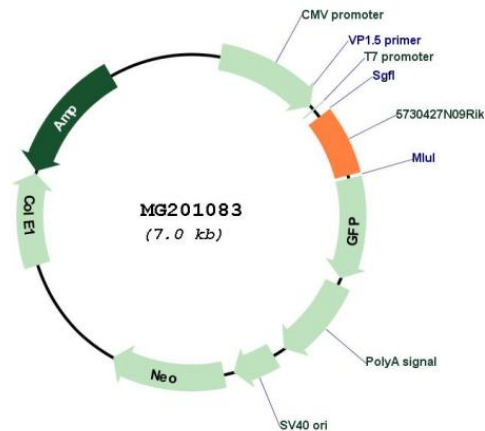
MPQNEYIELHRKRYGYRLDYHEKKRKEGREAHERSKKAKKMIGLKAKLYHKQRHAEKIQMKKTIKMHEK
 RNTKQKDDKTPQGAVPAYLLDREGQSRKVLNMIKQKRKEKAGKWEVPLPKVRAQGETEVLKIVRTKK
 KKKKKGRPLAI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: BC108365

ORF Size: 455 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>BC108365</u> , <u>AAI08366</u>
RefSeq Size:	1619 bp
RefSeq ORF:	455 bp
Locus ID:	59050
Cytogenetics:	13 D1
Gene Summary:	Involved in the biogenesis of the 60S ribosomal subunit. May play a part in the quality control of pre-60S particles (By similarity).[UniProtKB/Swiss-Prot Function]