

Product datasheet for **MG203991**

2310037124Rik (BC092275) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	2310037124Rik
Synonyms:	2310037124Rik; B930009D17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG203991 representing BC092275
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAGAAAAGCTAATTCGTTTGCAGTCTTTGTACATTGATCAGTTTAAAAGACTCCAACACCTGCTCA
AAGAGAAGAAGCGCCGCTATTTACACAACCGGAAAGTGAGACACGAGGCTTTAGGTAGTAGTCTCCTGAC
TGGCCCTGAGGGACTTTTGGCCAAAGAGAGAGAGAATTTAAAGCGACTAAAATGTCTTAGGCGATACCGT
CAACGCTATGGAGTAGAAGCCTTACTACACAGGCAGCTGAAGGAACGCAGAATGCTGGCCACCGATGGGG
CTGCTCAACAGGCTCACACCACTCGTTCCAGTCAGAGGTGCTTAGCCTTTGTGGATGATGTGCGCTGCTC
CAATCAGTCTCTCCAATGACCAGACACTGCCTTACCCATATCTGTCAGGATACAAATCAGGTTCTCTTC
AAATGCTGCCAGGGATCTGAAGAGGTCCCCTGCAACAAGCCAGTTCCTGTAAGCCTTTCTGAGGATCCCT
GCTGCCCTCTGCATTTCCAGTTGCCTCCTCAGATGTATAAGCCCGAGCAGGTACTGTCTGTGCCAGACGA
TCTGGAAGCCGGCCCATGGATCTGTACTTGAGTGCTGCCGAGCTTCAGCCCACTGAGAGTTTACCACTG
GAGTTCAGTGATGACTTGGATGTTGTGGGTGATGGCATGCCATGCCCGCCGTCGCCGTTGCTCTTTGATC
CTTCGCTAACTCTTGAAGATCATTAGTCACAGAAAGTGCCGAGACGCAGGACAGATGCAGGCGGCTGG
GGATGGGTGCAGATCCCAGGGAGCTCGAAGTGTAGAGAAAGCAGCATTCCTCAGCGTGGATTGGCTACT
CGGAATGGAACCAAGCAACCACTTCTATCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>MG203991 representing BC092275

Red=Cloning site Green=Tags(s)

MREKLIRLQSLYIDQFKRLQHLLKEKKRRYLHNRKVEHEALGSSLLTGPEGLLAKERENLKRLKCLRRYR
QRYGVEALLHRQLKERRMLATDGAAQQAHTTRSSQRCLAFVDDVRCNSQLPMTRHCLTHICQDTNQVLF
KCCQGSEEVPCNKPVPVSLSEDPCCPLHFQLPPQMYKPEQVLSVPDDLEAGPMDLYLSAAELQPTESLPL
EFSDDL DVVGDGMPSPLLFDPSTLEDHSVTESAGDAGQMQAAGDGCRSQGARSVEKAAFPQRGLAT
ANGKPEPTSIS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

- - E E R V Stop

ACCN:

BC092275

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: [BC092275](#), [AAH92275](#)

RefSeq Size: 1784 bp

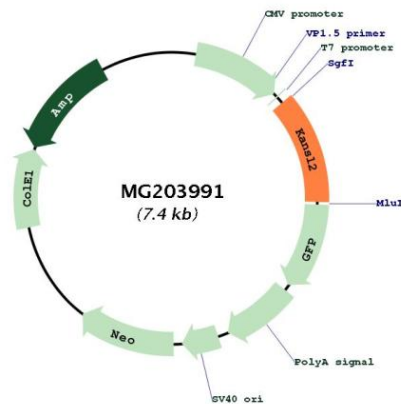
RefSeq ORF: 875 bp

Locus ID: 69612

Cytogenetics: 15 F1

Gene Summary: As part of the NSL complex it is involved in acetylation of nucleosomal histone H4 on several lysine residues and therefore may be involved in the regulation of transcription.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203991