

## Product datasheet for MR205313

### 2310037124Rik (BC003301) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2310037124Rik (BC003301) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2310037124Rik
Synonyms:	2310037124Rik; B930009D17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205313 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGAAGAGCAACCCAGGCCCTATGGGTGAAACCTCTTGCCAGTTGAGCTCATACGCTAAAACAG  
AGCTGGGCTCGCAGACCCAGAGAGCAGCCGAGTGAAGCCAGCCGGATACTGGATGAAGACAGCTGGAG  
TGATGGGGACCAGGAACCCATCACTGTGGATCAGACATGGAGAGGTGACCCTGACAGTGAAGCCGATAGC  
ATAGACAGTGATCAAGAAGATCCCCTGAAACATGCTGGTGTCTATACAGCTGAAGAAGTGGCTCTTATTA  
TGAGAGAAAAGCTAATTCGTTTGCAGTCTTTGTACATTGATCAGTTTAAAGACTCCAACACCTGCTCAA  
AGAGAAGAAGCGCCGCTATTTACACAACCGGAAAGTGGAGCACGAGGCTTTAGGTAGTAGTCTCCTGACT  
GGCCCTGAGGGACTTTTGGCCAAAGAGAGAGAGAATTTAAAGCGACTAAAATGTCTTAGGCGATACCGTC  
AACGCTATGGAGTAGAAGCCTTACTACACAGGCAGCTGAAGGAACGCAGAATGCTGGCCACCGATGGGGC  
TGCTCAACAGGCTCACACCACTCGTTCAGTCAGAGGTGCTTAGCCTTTGTGGATGATGTGCGCTGCTCC  
AATCAGTCTCTCCAATGACCAGACACTGCCTTACCCATATCTGTCAGGATACAAATCAGTTCTCTTCA  
AATGCTGCCAGGGATCTGAAGAGGTCCCCTGCAACAAACAGTTCTCTGTAAGCCTTTCTGAGGATCCCTG  
CTGCCCTCTGCATTTCCAGTTGCCTCCTCAGATGTATAAGCCCGAGCAGGACTTGGATGTTGTGGGTGAT  
GGCATGCCATGCCCGCCGTCGCCATTGCTTTGATCCTTCGCTAACTTTGAAGATCATTCAAGTACAG  
AAAGTGCCGGAGACGCAGGACAGATGCAGCGGCTGGGGATGGGTGCAGATCCCAGGGAGCTCGAAGTGT  
AGAGAAAAGCAGCATTCCCTCAGCGTGGATTGGCTACTGCGAATGGAAAACCAAGAACCCACTTCTATCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR205313 protein sequence  
Red=Cloning site Green=Tags(s)

MKKSNGPMGETLLCQLSSYAKTELGSQTPSSRSEASRILDEDSWSDGDQEPITVDQTRGDPDSEADS  
 IDSDQEDPLKHAGVYTAEEVALIMREKLIRLQSLYIDQFKRLQHLLKEKKRRYLHNRKVEHEALGSSLLT  
 GPEGLLAKERENLKRLKCLRRYRQRYGVEALLHRQLKERRMLATDGAAQQAHTTRSSQRCLAFVDDVRC  
 NQSLPMTRHCLTHICQDTNQVLFKCCQGSEEVPCNKPVVSLSEDPCCPLHFQLPPQMYKPEQDLDDVVG  
 GMPCPPSPLLLFDPSLTLEDHSVTESAGDAGQMQAAGDGCRSQGARSVEKAAPQORGLATANGKPEPTSIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC003301

**ORF Size:** 1050 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.

**RefSeq:** [BC003301](#), [AAH03301](#)

**RefSeq Size:** 2337 bp

**RefSeq ORF:** 1052 bp

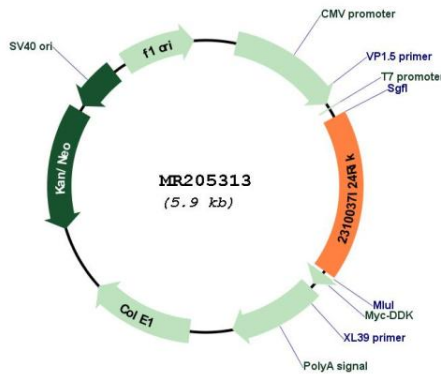
**Locus ID:** 69612

**Cytogenetics:** 15 F1

**MW:** 39 kDa

**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 MR205313