

## Product datasheet for **MR219847**

### **A730008H23Rik (NM\_172505) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	A730008H23Rik (NM_172505) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	A730008H23Rik
Synonyms:	Fleg1; mFleg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219847 representing NM\_172505  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGTCTATGGGTCGGCAGGACCGCAGGCTGCAGCAGCAGCTTAATGAAAGCAGGAGCCGCTCCAGA  
 CGTTAATGAAGCGCTGATAGCGAAGTACAACCGCCCTTTGAGGACGACCCGTTGGTGGAGATGACGAC  
 GTTGACCTACGAGACGCCCAAGGGTTGAGAGTTTGGGAGGAAAAGCTGATGAAGAAGGAAGACAAGGAA  
 TACACTCAGAACGCAGAGAAGAGAGGTGAAAAGACACAGTCACTGACTTGGGTTCCCTCCGTGACCTCAT  
 CTGTACACACAGCCTCTGGATGCCAGGATGCTATCTCTGCAAAGAGCTCTGGTGGTCTGGAGTATCTGC  
 TTTGTCTCTAGAGGCCAGGGTCCCTCATACCCTTGCCAGCTGACATGGCCATTGTGGCTAGAAGTGT  
 GGCCTCTCCTTACTTGGGACCAGCAGCAACAGCGTAAGCAGCCAGTCTTTGAGGTTGATGACCTTTGCA  
 ATGTGACAATCAGCAATTTGTATGAAGGCATGATGCATTCATGAGTAGGCTGCTGCGCTCAAAGCTATC  
 CTGCATCATCTCCACCAAGACCTACATCAACCAGAGCTGGAAGCTCCGGAGGAGACCCCTCACGAAGCAG  
 GGGCTGCACAAGAACAGGACACACTGCCCCCGGAGCAAGCCCTCCAGAGGAGTGCCAGGAAGGGGCGCTG  
 CATCCTGCTCAGAGCACGGGAAAGAGGCCGGAATTAAGAGACTACGGGAAATTTACTGCACGTTGCTCC  
 CCACAAGCAGGCTTAGAACTGAAAAGCGTTTCTCTTGAAGGAAGCAAACGCCAAGTCCATAAAATTCAGT  
 CCAGCTTGAAGGAGCTCCAGATGATGCCGAGAAGGACTTGGACTTAAACCGTGAGCGAGAAAAATGGG  
 GGATGACATTACAGTGGCTAATTTACCCGTCAAGGTGGTCCCAGACCAAGGATGCTTCCAAGTCAAGT  
 AGAGAAGTGGTATAGAGAGATTAATAAATCAAATTTGACAAGCTTCATCAGGAATATTGCTGTCTTCTGG  
 AAACAGCCTCGCTGACTGACCCACAGAGTCTGGGCTGTCGATGTGTACAGAAGTGGTCTAAGAGCC  
 CAGGCAGCCGTCAGGATGTAGAAACCTGCAGGCCAGTTCACCTTCGGCAGAGAAAAGGACAGAAAAGGCC  
 AGGTGAAGCTTTAGAAGACCTGAGGGAAATGAAAGTCTGTCAAACAAGAGCTGTCTTCTAAGGAGC  
 TGTCCTCTCCAGAGGCCAGCCCTTACGAGGCCAGCCATTCTCAGCTGAGCTCTGGCCTTCAAGAGC  
 ACAATTCTGAACCTACTGGTAAGGCAGTGTGGCCAGTACAGCTATTTACGACCATGCATAGGCTCTCC  
 AGGCTGTGGGAAGGATAACTATGATGAGCTTAAAAAGAATTCAACAGACTTTATCAGAAGTATTGTCTG  
 TCACCGCAGCGGGCAAGGTGACTTCGTGTGGCAGAGTATCGCCAATGAAAGCTGCTGCAGCTCTCCCT  
 GTCAATCAGAGCACTTGAAGAGACTAAATCCAGACTCCCCACAACAGAGTCCCAGAAACGGTCAATCTC  
 TCCTGGCTGTACAGAAGAGTCTGCAGGATCAACTCCACAGACTGCTAGTACACTTGTGAGAGAGCCT  
 TGGCTTCAAACAAGAGCGCAAGTTGCATACCCGGTAGCTTGTCTCACCAGGCCAAATCTACAATA  
 CCTCAGGAGCATCAGGCTGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219847 representing NM\_172505  
 Red=Cloning site Green=Tags(s)

MESMRQDRRLQQQLNESRSRFQTLMKRLIAKYNQPFEDDPLVEMTTLTYETPQGLRVWGGKLMKKEDKE  
 YTQNAEKRGKDTVMTWVPSVTSVTPASGCQDAISAKSSGGPGVSALSSRQGPSYPCPADMAIVARSD  
 GLSLLGTSSNSVSSQSFEVDDLNVNVTISNL YEGMMHMSRLLRSKLSCTIISTKTYINQSWKLRPRSRKQ  
 GLHKNRTHCPRSKPSQRSARKGPASCSEHGKEAGILRDYGNLLHVAPHKTGLELKSVSLEGSKRQVHKFS  
 PAWKELQMPQKDLDLNRERENRMGLQWLI SPVKVVRPRMLPSQVEKWYREIKIKFDKHLHQEYCLSSG  
 KQPRLLDPTESWAVDVYRSGSKSPGSRQDVETCRPSSPFGREKTERPGEALEDLRGNKSVKTKSCLLRS  
 CPSPGSPSRSPSHSQLSSGLQEHNSEPTGKAVWPSTAI SAPCIGSPGCKDNYDELKKEFNRLYQKYCL  
 SPQRAKVTSCGRVSPMKAALPCQSEHLKRLNPDSPQSSQKRSISPCHRRVLQDSTPQTASTLVREP  
 WLPTRRRKLSYPVACAHQAKSHNTSGAGWP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9081\\_b11.zip](https://cdn.origene.com/chromatograms/mm9081_b11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_172505

**ORF Size:** 1773 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:** [NM\\_172505.4](#), [NP\\_766093.1](#)

**RefSeq Size:** 2214 bp

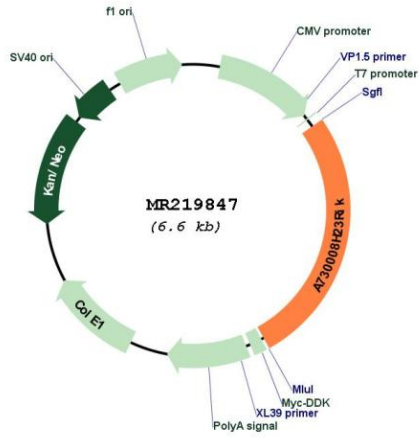
**RefSeq ORF:** 1776 bp

**Locus ID:** 212427

UniProt ID: Q6PG16

MW: 65.8 kDa

**Product images:**



Circular map for MR219847