

## Product datasheet for **MR207988**

### Gm13023 (NM\_001007077) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm13023 (NM_001007077) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm13023
Synonyms:	BC084594; MGC:91194; OTTMUSG00000010009
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207988 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGATCTGTGGCCATTGTCCAGATCAGGATGAGTCTTTAGAAGAAGTACAGAGGAATGCTATTCCC  
 CACCCACCTCCAGAATCTGGCAATTCAGAGTCTACTGAGGGATGAGGCCTTGGCCATTTCTGCTCAT  
 GGACCTGCCCCAGAGTCTGTTCCAGTAATTTTTGAGGAGGCCTTCACTGATGGACATATAGGGATCTTG  
 AAGGCCATGATACCTGAATGGCCCTTCCATACCTTTCTTTAGGAAAGCAGATAAATAATTGCAACCTGG  
 AGACTTTGAAGGCTATCCTTGAGGGACTAGATATACTGCTTGACAAAAGGTTCAAACAGTAGGTGCAA  
 ACTCAGAGTAATTAATTGGAGAGATCATGACTTGAAGTATGGGCTGGATCCCATGAAGGTGAAGGCTTA  
 TCAGAATCACTACAGAGAAGCAGCCAATTGAGAACAGTCTGGCTGTGAGGTGAAGAAAGAAATTGAAGG  
 TGATGACTGAAGTCTTCGCATGAAGGGCAGACTTGATGAATCTACCACATACTTGTTCAGTGGCCCA  
 GCAGAGAACAGATTCTATTAATTTATTCTGCAGAAAGCTAGTAATTGAAGGCTTAACCAAAGCCTCAGTG  
 ATAGAAATCTTCAAACCTGTACACGCAGACTGTATACAGGAGCTTATCCTAAGACGTATCTGCATAGAAG  
 AGTTGGCTTTTCTTAATCCCTACCTGAAACTGATGAAAAGACTTTTACACTCACACTAGATCACATCAT  
 AGGTACCTTCAGTTTGGTGATTCTGAAAAGCTTGATGAGGAGATAATATTCAGCTTGATTTCTCAACT  
 CCCACACTCCACTGTCTCCAGAACTCTATGTAATGATGTCCCTTTTATAAAAGGCAACCTGAAAGAAT  
 ACCTCAGTGCCTGAAAAAGCCCTTGGAGACACTTTCATCAGTAAGTGTGACCTCTCACAGTCAAGT  
 GGATTACCTGCCCTATTGCTGAATATTTGTGAAGTCAAACATCTGCATCTTAGTGATATATGTCTACGT  
 GATTTACTCCTTGAGCCTCTGGGTTTCTCCTTGAGAGAGTTGGAGATACCCTGAAAACTCTGGAATTGG  
 AGTCATGTTGTATAGTGGACTTTCAGTTCAGTGCCTTGTGCTGCCCTAAGCCAATGTTCTCACCTCAG  
 AGAGGTCACTTTCTATGATAAATAATTTCTCTGCTTTTCTTGAACAACCTTCTACACCACACAGCCCTG  
 CTGAGTCACTGATCAGTGAAGTGTACCCTGCCCTCCGAGTGTATGATGACAGTGGTGAATACTAA  
 CACACAGATTAGAAAGTTTTGCTGAGCTCCTGGATATACTCAAAGCCAAAAGACAGCTCCAAAGTGT  
 CTCCTTTGAAACAACCAATGCTCTAAATGTGGTGGGTGCTACATTTATGACCAGGAGACCCAATGTTGT  
 CATTTTGTGGAAGTACTATTAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207988 protein sequence  
 Red=Cloning site Green=Tags(s)

MVICGHCPDQDESLEEVTCECYSPTLQNLAIQSLRDEALAI SALMDLPQSLFPVIFEEAFTDGHIGIL  
 KAMIPWPPPYLSL GKQINNCNLET LKAI ELDILLA QKVQTSRCKLRVINWRDHLNLWAGSHEGEG  
 SEFTTEKQPIENSPGCEVKELKVMTEVLRMKGRLESTTYLLQWAQRTDSINLFCRKL VIEGLTKASV  
 IEIFKTVHADCIQELILRRICIEELAF LNPKL MKRFLTL DHIIGTFSFGDSEKLD EEIFSLISQL  
 PTLHCLQKLYVNDVPFIKGNLKEYLRCLKKPLETLCISNCDLSQSDLDYLPYCLNICELKHLHLSDICLR  
 DLLLEPLGFL LERVGDTLKILEESCCI VDFQFSALLPAL SQCSHLREVT FYDNNFSLPFLKQLLHHTAL  
 LSQLI SECYPAPPECYDDSGVIL THRLESFCPELLDILKAKRQLQSVSFETTQCSKCGGCIYDQETQCC  
 HFVELLLA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001007077

**ORF Size:** 1497 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\\_001007077.1](#)

**RefSeq Size:** 1838 bp

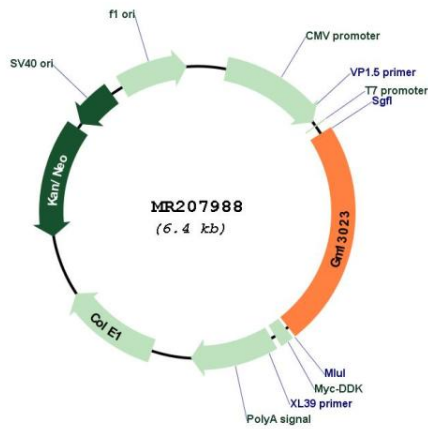
**RefSeq ORF:** 1497 bp

**Locus ID:** 194227

**Cytogenetics:** 4

**MW:** 56.8 kDa

Product images:



Circular map for MR207988