

Product datasheet for **MR208123**

BC038286 (BC070406) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | BC038286 (BC070406) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | BC038286 |
| Synonyms: | MGC47289 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR208123 representing BC070406
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGAGCAGCGGTGGCGGTAACACCGCGCGGGTGGCACCTCGGGCTGGGCCTGGGCCTGGGGCTGA
 GCCTCGGCATGGGTGAGGCCACTGGCGACGCGGAGGAGGAGGCGCCGCAGCCGAGGAGGAGGAGGTTT
 AGCTACGTCCCTGTGGCTGCGGCTCCGCGGCTGGGAGGCGGTGCTGGCGCCGCACAGCGACTGCTGGTT
 TGGGAGAAGCCGCTGCACAGCCTGGTACGCGCGCCACACTCAACGGCCTCTTCTGGTTGTTGTCTTCGT
 CGTCCCTCCGGCCCTTCTCCTGCTCAGCATCTCACTTTTGACCTATTTTCTACTGGATCTCTGGCATCC
 TCGTTTCTCCCTGACGTTTTCAGCACCACCCCTGAAGAACCACACTCTGACAGTGAGGGTGGGGGTCA
 GGGCCCGACCGCACCTGCTGAGTGTGCCGAGTTGTGCAGATACCTGGCTGAGAGCTGGCTCACCTTCC
 AGATTCACCTGCAAGAGCTGTTGCAGTACAAGAGGCAGAATCCAGCTCAGTTCTGCGCTCGGGCTGCGC
 TGCTGTGCTGTGCTGGCTGTGTTGGGACACTATGTTCCGGGAGTTATGATTTCTACATTGCTTGTCTG
 AGTATCCTGCTGTGGCCCTGGTGGTCTATCACGAGTTGATCCAGAGGATGTATACTCGCCTGGAGCCCT
 TGCTATGCAGCTGGACTACAGCATGAAAGCTGAAGCTGATGCCCTGCACCACAAACATGACAAGAGAAA
 GCGCAAGGGAAGAGTGACCCCGCAGGAGATGAGCCACTGGCGGAAACAGAGAGTGAAGCGAGGCA
 GAGTTGGCTGGCTTCTCTCCAGTGGTGGATGTGAAGAAAACAGCCCTGGCCTTGGCTATTACAGACTCTG
 AGCTGTCAGATGAGGAGGCTCTATCTTAGAGAGCGGCGGTTTCTCTGTATCTCGGGCCACCACTCCACA
 ACTGACAGATGTTTCTGAAGATTTGACCAGCAGAGCCTGCCAAGTGAGCCAGAAGAGGCTCTGAACCGA
 GAGCTGGGGGAGGGGAAGAGACAGAGCTGGCCTCTCTGAAGACCTGCTAAGTGCCTCCAGCCCTCT
 CAAAGCAAAGCTTTGGACACCGAAGAGGAGGGGGCTGCAGACAAGGAAGCCTTGTTCAGCTCATCCCC
 TCTTCACTTTGTGAATACGCACTTCAATGGGGCAGGGTCCCCCAAGATGGAGTGAATGCCTCCTGTT
 GCACAGTGAAGACCCTGAGCCAGAGGACAGACTCACCTCAACCCTGGCTGCTCCTGAGGAGGAAGAGG
 CACTCACAAGTGAAGACTTTGAGTTGCTGGATCAGGGGAGCTGGAGCAACTGAATGCAGAGCTGGGCTT
 GGGACCAGAGATGCCTCCAAGCCCTGATGTTCTGCCTCCTCCTCCCCGGGGCAGACAGCCATTCC
 CTGGTACAGTCAGACCAAGAGGCTCATGCAGAGGTTGAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208123 representing BC070406
 Red=Cloning site Green=Tags(s)

MASSGGGNTGAGGTSGLGLGLGLSLGMGEATGDAEEEEAAAAEAVGRLATSLWLRRLRGWEAVLAAAQRLLV
 WEKPLHSLVTAATLNGLFWLLSSSLRPFLLSISLLTYFLLDLWHPRFLPDVSAPPPEEPHSDSEGAGS
 GAQPHLLSVPELCRYLAESWTFQIHLQELLQYKRQNPQFCARGCAACAVLAVLGHVYVGMISYIVLL
 SILLWPLVYHELIRMYTRLEPLLMQLDYSMKAADALHHKHDKRKRQKRSAPPAGDEPLAETESESEA
 ELAGFSPVVDVKKTALALAITDSELSDEEASILESGGFSVSRATTPQLTDVSEDLDQQLPSEPEEALNR
 ELGEGEETELASPEDLLSAPPALSKQALDTEEEGAADKEALLQLSSPLHFVNTHFNGAGSPQDGKCPPG
 APVKTLSPADSPQPLAAPEEEEEALTTEDFELLDQGELEQLNAELGLPEMPKPPDVLPPPPLGADSHS
 LVQSDQEAHAVEVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC070406

ORF Size: 1512 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: [BC070406.1](#)

RefSeq Size: 2455 bp

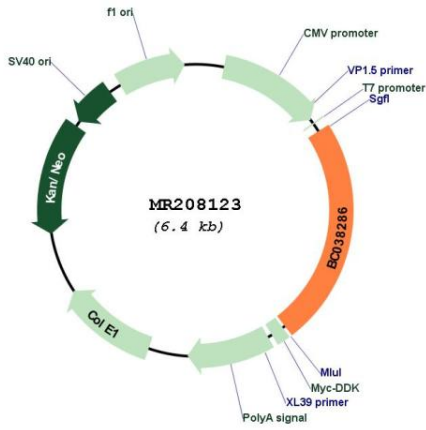
RefSeq ORF: 1514 bp

Locus ID: 227298

Cytogenetics: 1 C4

MW: 90 kDa

Product images:



Circular map for MR208123