

Product datasheet for **MR208265**

Cage1 (BC082568) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cage1 (BC082568) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cage1
Synonyms:	4933427I01Rik; Ctag3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208265 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGTTGAAGACCTGAGGGGGCGTTTTCTTACTCGGAGAAGCCAGAGTTGCCAAGCCAGGTATACA
 ATGATGCAGCAGATGGCAGTGAAAAGCCAGATCCATTTAAGGAAGAAAGTTCAGTGGAAAGTAGCATTTTC
 CGAAAATAAGGACGAACCTGTTCCCGCGCCAGTGAGGAAATCTCCAAGAAGTCTATGTCTAACTACTAC
 AGAGGAGAGGCACAGCCGCTCACAGAGGCGCCATTCTGTGAGAAGTGCCGTCGTAGATGTCGGCCTCAATA
 TCAGTCAGCCTCAAAGCTTTCTGGATAAAGAAAATGTCTGTAAAAATGGTGACAATTCGTCTGATAGGGA
 GAATTGCTTCGAGCAGCTTGACTTGAGAGCTATTTATAAAGCAGAGGAGCCTGAAGTTTCTTCAAAAAGAA
 GTACAGAATTCTGGAGAGATTTCTGAGCTATCAGTTAGTCACCAGGAAGAAGTCACAGAAGATGGCGTTG
 ACAGCCTCGCCATTACCTCACCGTGGTCTCCAGCTGGCATCTTCAAGGGAAGTGGCCTCAGGACAACCTC
 CCTGAGGCCTGATAGAGAGGTGAGCTGTGAAGGCTTAGAGCCTCTGGAAGAGGACATGGCTTTAAATGAA
 GCCTTGCAAAAATTAAAAACAGACTAACAAAAAGCAGGAAGTGCAGATTCAAGACCTCCATGGTAAGAACT
 TGAAGTTAGAAAAATAGGGTTCAAGAACTACAGACAAAGGTCACCAACACGACAGTGTGGTTGATATCAT
 AAATAAATAAGGTGAACATTGAGGAGTTAATCAATGATAAATACAACGTAATCCTAGAGAAGAATGAC
 ATCAACAAGAACTTCAGGATCTGCAGGAAGCTTCGGCTCACACCAAAAAGCACCTTCAGGAATCCAAGA
 AAGACAAGGAGAGCCTCCAGCTCCAGGTGAAAAAGATTAAGGTCCATTACGTGCGCTTACAGGAAAGGTA
 TATTGCTGAGATCCAGCAGAAGAAGCAGATCGGCCAGTCAGTGCCTGGAGATAGAAAAGACCTTAAGCAAG
 AAAGACGAGGAGCTCCAGCGGCTGCAGCGCCACAAAGGGGAGCTGGAGAAGGCCACCAAGTCTGCCCTGG
 ACTTGCTGAAGCGGGAGAAGGAGATCCGGGAACAAGAGTTCTTGTCTTTTCAGGAGGAATCCAGAGGCG
 GGAAAAGGAAAGCCTGAAAGAAAGCGGAAATTGAAGTCGAGAGTTGAGAAGCTGGTCGCTCAAGTGAAA
 AGCTTGCTGTTACCTGTGAGAGCGAGAGAGCTCAAACCATGGCGCTCCAGCGGAGGTGGAAGAGCTGA
 AGCTGGAGAAGTTAGAACTCCGACAGCTGGCTGCGAAGAGGGAGGCCAAGCTTGACCCCTAGCTTTGA
 GATTACTCAGTCAAAGGAGCAGCTGGAGGAAGCGGTGGAGCCGGACATACCCAGGTATCCATGCAGACG
 CTGAATTCTAACACAATCCCCAGAGTTTACCCAGTCTAGTGATGGACGCTCAGACTGGACACTCAGAGT
 GTTCG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208265 protein sequence
 Red=Cloning site Green=Tags(s)

MTVEDLRGAFSYSEKPELPSQVYNDAADGSEKPDPFKEESSVESSISENKDELVPAPVRKSPRSLCLNYY
 RGEAQPLTEAPFVRSVVDVGLNISQPQSFLDKENVCKNGDNSSDRENCFEQLDLRAIYKAEPEVSSKE
 VQNSGEISELSVSHQEEVTEGDVDSLAIITSPWSPAGIFKSGSPQDNSLRPDREVSCGLEPLEEDMALNE
 ALQKLKQTNKKQELQIQDLHGKLNLENRVQELQTKVTKQHVLDIINKLKVNIIEELINDKYNVILEKND
 INKKLQDLQEASHTKKHLQESKKDKESLQLQVKKIKVHYVRLQERYIAEIQQKNRSASQCLEIEKTL SK
 KDEELQRLQRHKGELEKATSSALDLLKREKEIREQEFLSFQEEFQRREKESLKERRKLKSRVEKLVAQVK
 SLLFTCESERAQTMALQRQVEELKLENLELRQLAAKREAQACTPSFEITQSKEQLEEAVEPDITQVSMQT
 LNSNTIPRVSPSLVMDAQTHSECS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC082568

ORF Size: 1545 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: [BC082568](#), [AAH82568](#)

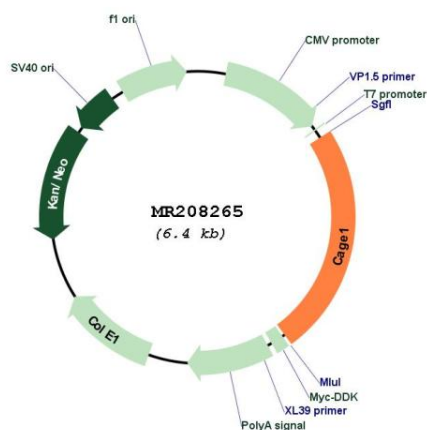
RefSeq Size: 3465 bp

RefSeq ORF: 1547 bp

Locus ID: 71213

Cytogenetics: 13
MW: 58.8 kDa

Product images:



Circular map for MR208265