

Product datasheet for **MG208265**

Cage1 (BC082568) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cage1 (BC082568) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cage1
Synonyms:	4933427I01Rik; Ctag3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208265 representing BC082568
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGTTGAAGACCTGAGGGGGCGTTTTCTTACTCGGAGAAGCCAGAGTTGCCAAGCCAGGTATACA
 ATGATGCAGCAGATGGCAGTGAAAAGCCAGATCCATTTAAGGAAGAAAGTTCAGTGGAAGTAGCATTTTC
 CGAAAATAAGGACGAACCTGTTCCCGCGCCAGTGAGGAAATCTCCAAGAAGTCTATGTCTAACTACTAC
 AGAGGAGAGGCACAGCCGCTCACAGAGGCGCCATTCTGTGAGAAGTGCCGTCGTAGATGTCGGCCTCAATA
 TCAGTCAGCCTCAAAGCTTTCTGGATAAAGAAAATGTCTGTAAAAATGGTGACAATTCGTCTGATAGGGA
 GAATTGCTTCGAGCAGCTTGACTTGAGAGCTATTTATAAAGCAGAGGAGCCTGAAGTTTCTTCAAAAGAA
 GTACAGAATTCTGGAGAGATTTCTGAGCTATCAGTTAGTCACCAGGAAGAAGTCACAGAAGATGGCGTTG
 ACAGCCTCGCCATTACCTCACCGTGGTCTCCAGCTGGCATCTTCAAGGGAAGTGGGCCTCAGGACAACCTC
 CCTGAGGCCTGATAGAGAGGTGAGCTGTGAAGGCTTAGAGCCTCTGGAAGAGGACATGGCTTTAAATGAA
 GCCTTGCAAAAATTAAAAACAGACTAACAAAAAGCAGGAATGCAGATTCAAGACCTCCATGGTAAGAACT
 TGAACCTAGAAAAATAGGGTTCAAGAACTACAGACAAAAGGTCACCAACACAGCAGTGTGGTTGATATCAT
 AAATAAATAAGGTGAACATTGAGGAGTTAATCAATGATAAATACAACGTAATCCTAGAGAAGAATGAC
 ATCAACAAGAACTTCAGGATCTGCAGGAAGCTTCGGCTCACACCAAAAAGCACCTTCAGGAATCCAAGA
 AAGACAAGGAGAGCCTCCAGCTCCAGGTGAAAAAGATTAAGGTCCATTACGTGCGCTTACAGGAAAGGTA
 TATTGCTGAGATCCAGCAGAAGAAGATCGGCCAGTCAGTGCTGGAGATAGAAAAGACCTTAAGCAAG
 AAAGACGAGGAGCTCCAGCGGCTGCAGCGCCACAAAGGGGAGCTGGAGAAGGCCACCAAGTCTGCCCTGG
 ACTTGCTGAAGCGGGAGAAGGAGATCCGGGAACAAGAGTTCTTGTCTTTTCAGGAGGAATCCAGAGGCG
 GGAAAAGGAAAGCCTGAAAGAAAGGCGGAAATTGAAGTCGAGAGTTGAGAAGCTGGTCGCTCAAGTGAAA
 AGCTTGCTGTTACCTGTGAGAGCGAGAGAGCTCAAACCATGGCGCTCCAGCGGAGGTGGAAGAGCTGA
 AGCTGGAGAAGTTAGAACTCCGACAGCTGGCTGCGAAGAGGGAGGCCAAGCTTGACCCCTAGCTTTGA
 GATTACTCAGTCAAAGGAGCAGCTGGAGGAAGCGGTGGAGCCGGACATCACCAGGTATCCATGCAGACG
 CTGAATTCTAACACAATCCCCAGAGTTTACCCAGTCTAGTGATGGACGCTCAGACTGGACACTCAGAGT
 GTTCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208265 representing BC082568
 Red=Cloning site Green=Tags(s)

MTVEDLRGAFSYSEKPELPSQVYNDAADGSEKPDPFKEESSVESSISENKDELVPAPVRKSPRSLCLNYY
 RGEAQPLTEAPFVRSVAVDVGLNISQPSQFLDKENVCKNGDNSSDRENCFEQLDLRAIYKAEPEVSSKE
 VQNSGEISELSVSHQEEVTEDGVDSLAIITSPWSPAGIFKGSQPQDNLSPDREVSCEGLEPLEEDMALNE
 ALQKLKQTNKKQELQIQDLHGKNLNLNENRVQELQTKVTKQHVLDIINKLKVNIEELINDKYNVILEKND
 INKKLQDLQEASHTKKHLQESKKDKESLQLQVKKIKVHYVRLQERYIAEIQQKNRSASQCLEIEKTLK
 KDEELQRLQRHKGELEKATSSALDLLKREKEIREQEFLSFQEEFQRREKESLKERRKLKSRVEKLVAQVK
 SLLFTCESERAQTMALQRQVEELKLENLELRQLAAKREAQACTPSFEITQSKEQLEEAVEPDITQVSMQT
 LNSNTIPRVSPSLVMDAQTHSECS

TRTRPLE – GFP Tag – V

Restriction Sites:

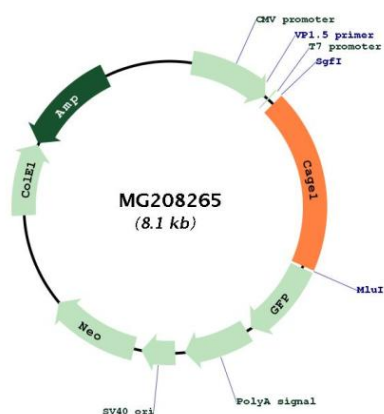
Sgfl-MluI

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

Product images:



Circular map for MG208265