

Product datasheet for **MG208135**

Prim2 (NM_008922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prim2 (NM_008922) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prim2
Synonyms:	A1323589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208135 representing NM_008922
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGTTCTCAGGAAGGATCCGGAAGAAGCTGCGATTGGCGGGTGACCAGAGAAATGCTAGTTACCTC
 ACAGCCTTCAGTTTTACCTGCAGCCGCTACTGAAACATATCGTTGACGGAGTTTGAAAACCTGGCTTT
 TGACAGAGTTAAATTGCTTAAAGCAATTGAGAACCCTCGGTGTGAGCTATGTGAAAGGAACCGAACATAC
 CAGAGTAAATTGGAGGCCGAGATTCGAAAGCTCAAGTTTTCTACAGAGAGAACCCTGGAGGATGAGTATG
 AGCCACGGCGAAGGGACCACATCTCCACTTTATCCTACGCTCGGCTACTGCCAGTCGGAAGATCTTAG
 ACGATGGTTTATTCAACAAGAAATGGATCTGCTTCGGTTTCGATTCAGTATTTACCAAAGGATAAAGTC
 CAGAGTTTCTGAAGGATAGTCATTTGCATTTGAGGCTATCAGTGACGAGGAGAAGACCCTTCGGGAAC
 AGGATATCATGGCGTCTCTCAAGCCTAAGTGGGATCAAGTTGGAGTCAGAGTCAGTTTATAAGGTCCC
 CTTTGCTGATGCTCTGGACCTGTTCAAGGAAAGTCTACTTGAAGATGGCTTTGCTTATGTGCCA
 CTTAAGGACATCGTGGCCATTATCTTGAACGAGTTTAGAGCCACGCTGTCTAAGGCTTTGGCACTAACGG
 CCAGGTCGCTGCCTGCTGTGCAGTCCGATGAACGACTTCAGCCTCTGCTCAACCACCTCAGTCATTCTTA
 CACTGGTCAAGATTATAGTACCCAGAAGAACCAGGCAAGATTTCCCTTAGATCAGATTGATTGCTGCTCT
 ACAAAATCCTTCCCACCTTGCATGCGTCAGCTGCACAAGGCGCTGAGGGAGAACCACCATCTCCGTCACG
 GAGGCCGATGCACTACGGCCTGTTCTCAAGGCAATGGGCTAACGCTGGAGCAGGCATTGCAAGTTCTG
 GAAGCAGGAGTTTATCAGAGGAAAGATGGACCCAGACAAGTTTGATAAAGGTTACTCTTACAATATCCGG
 CATAGCTTCGAAAGGAAGGCAAGAGGACAGACTATACGCCTTTCAGTTGCATGAAGATTATCCTGACCA
 ACCCAGGCCAAGGGGATTATCATGGGTGCCCTTCCGTCACAGTGATGCAGAGCTGGAAGCAAGAA
 GATGCAGTCTACAAGATCCCTGCCTCGGGATCAGCCAGATTTTGGATTTGGTAAAGGGGAATCATTAC
 CAAGTAGCCTGTGAGAAGTACTTCGAGATGACACATAATGTGGACGATTGTGGCTTTTCTTGAATCATC
 CAAATCAGTTCTTTTTGAGAGCCAGCGCATCCTAACTGGTGGCAAAGATATCAAGAAGGAAATCAGTCA
 GCCAGAAACACCTCAGCACAACCTAGCACCCAGAAGACCAGGGATGCTGCATCTGCGCTGGCCTCCCTA
 GACTCCTCCCTGGAAATGGACCTGGAGGGGCTGGAAGGACTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208135 representing NM_008922
 Red=Cloning site Green=Tags(s)

MQFSGRIRKRLRAGDQRNASYPHSLQFYLPPTENISLTEFENLAFDRVKLLKAIENLGVSYVKGTEQY
 QSKLEAEIRKLFKFSYRENLEDEYEPRRRDHISHFILRLAYCQSEDLRRWF IQQEMDLLRFRFSILPKDKV
 QSFLKDSHLHFEAISDEEKTREQDIMASSPSLSGIKLESESVYKVPFADALDLFRGRKVVYLEDGFAYVP
 LKDIVAIIILNEFRATLSKALALTARSLPAVQSDERLQPLLNHLSHSYTGQDYSTQKNTGKISLDQIDSL
 TKSFPPCRQLHKALRENHHLRHGGRMQYGLFLKGI GLTLEQALQFWKQEFIRGKMPDKFDKGYSYNIR
 HSFGEKGRDYTPFSCMKIILTNPPGQDYHGCPFRHSDAELLKQKMQSYKIPASGISQLDLVKGNHY
 QVACQKYFEMTHNVDDCGFSLNHPNQFFESQRILTGGKDIKKEISQPETPHKHPSTQKTRDAASALASL
 DSSLEMDLEGLEEYF

TRTRPLE - GFP Tag - V

Restriction Sites:

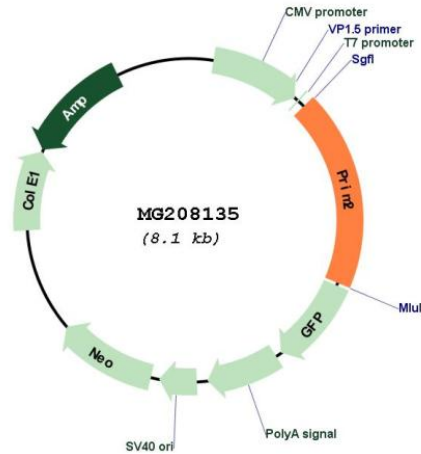
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008922

ORF Size: 1515 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_008922.2](#)

RefSeq Size: 1937 bp

RefSeq ORF: 1518 bp

Locus ID: 19076

UniProt ID: [P33610](#)

Cytogenetics: 1 B

Gene Summary: DNA primase is the polymerase that synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication.[UniProtKB/Swiss-Prot Function]