

Product datasheet for **MG205025**

Cab39I (NM_026908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cab39I (NM_026908) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cab39I
Synonyms:	1500031K13Rik; 2810425O13Rik; 4930520C08Rik; AA589432; MO2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205025 representing NM_026908 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAAATGCCTTTGTTTAGTAAATCACACAAAAATCCAGCAGAAATTGTCAAATTCTGAAAGACA
ACCTGGCCATTTTGAAAAGCAAGACAAAAGACAGACAAGGCTTCAGAAGAGGTGTCAAATCTCTGCA
AGCAATGAAGGAAATCTGTGTGGAACGAACGACAAGGAGCCCCCTACAGAAGCAGTGGCTCAGCTGGCG
CAGGAGCTCTACAGCAGCGGTTGCTGGTGACACTCATAGCTGACCTGCAGCTCATAGACTTTGAGGGAA
AAAAGATGTGACCCAGATATTTCAACAACATCCTGAGAAGACAGATTGGTACACGGTGTCTACTGTCTGA
GTACATCAGTTCTCATCCTCACATCCTGTTTATGCTTCTCAAAGGCTATGAAGCCCCACAGATTGCCTTA
CGCTGTGGGATTATGCTAAGAGAGTGTATTGACATGAGCCACTTGCCAAAATCATCCTATTTTCTAATC
AGTTTCAGAGATTTCTTCAAGTATGTTGAGCTGTCCACCTTTGATATCGCTTCAGATGCCTTCGCTACTTT
TAAGGATTTGTTAACCAGACATAAAGTATTGGTAGCAGACTTCTTAGAACAAAATATGACACTATTTTT
GAAGACTATGAGAACTGCTGCAATCTGAGAACTATGTGACAAAGAGACAATCTTTAAAGTTGCGAGGTG
AGCTGATCCTGGACCGCCACAATTTACCATTATGACCAAGTATATCAGCAAGCCAGAGAACCTGAAACT
GATGATGAACCTGCTTCGAGACAAAAGTCCCAACATCCAATTCGAAGCCTTCCATGTCTTTAAGGTGTT
GTGGCCAGCCCCACAAAACGCAGCCTATCGTGGAGATTCTGTTAAAAAATCAGCCAAAACCTCATTGAGT
TTCTGAGCAGCTTTCAGAAAGAAAAGGACAGACGACGAGCAGTGTGCTGACGAGAAGAACTACCTGATTAA
ACAGATTCGAGACTTGAAGAAAGCAGCCCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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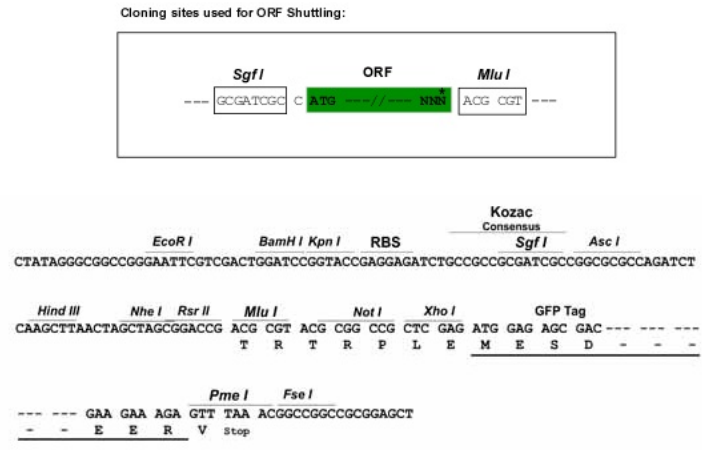
Protein Sequence: >MG205025 representing NM_026908
 Red=Cloning site Green=Tags(s)

MKKMPLFSKSHKNPAEIVKILKDNLAILEKQDKKTDKASEEVSKSLQAMKEILCGTNDKEPPTTEAVAQLA
 QELYSSGLLVTLIADLQLIDFEGKKDVTQIFNNILRRQIGTRCPTVEYISSHPHILFMLLKGYEAPQIAL
 RCGIMLRECI RHEPLAKIILFSNQFRDFFKYVELSTFDIASDAFATFKDLLTRHKVLVADFLEQNYDTIF
 EDYEKLLQSENYVTKRQSLKLRGELILDRHNFTIMTKYISKPENLKLMMNLLRDKSPNIQFEAFHVFKVF
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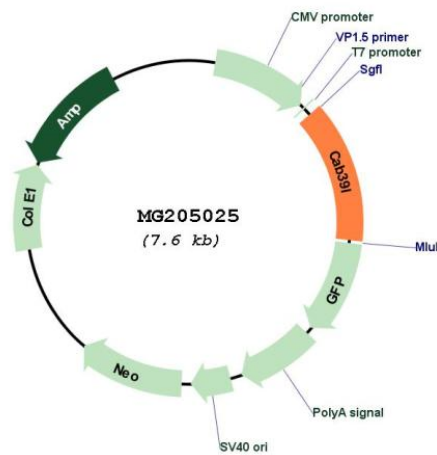
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026908

ORF Size: 1011 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:	<ol style="list-style-type: none">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_026908.2 , NP_081184.3
RefSeq Size:	3039 bp
RefSeq ORF:	1014 bp
Locus ID:	69008
UniProt ID:	Q9DB16
Cytogenetics:	14 C3
Gene Summary:	Component of a complex that binds and activates STK11/LKB1. In the complex, required to stabilize the interaction between CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta) and STK11/LKB1 (By similarity).[UniProtKB/Swiss-Prot Function]