

Product datasheet for **MG202606**

Chkb (BC068195) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chkb (BC068195) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chkb
Synonyms:	CK/EK, CK/EK-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202606 representing BC068195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGTTTCCATGGTATGGAGATGCCCTTCACTAAGGAGCCCGATGGTTGTTGGGACCATGGAGC
GGTACCTGAAGCAGATCCAGGACTTGCCTTCCACCAGCCTTCCCAGATGAACCTGGTAGAGATGTACAG
CCTCAAGGACGAGATGAACAGCCTCAGGAAGTTACTAGACGATACCCCGTACCAGTGGTCTTCTGCCAC
AATGACATCCAGGAAGGAAACATCTTGTGCTTTCAGAGCCAGACAGTGATGATAACCTCATGTTGGTTG
ATTTTGTAGTACAGTAGTTATAACTACAGGGCTTGGACATTGGGAATCATTTTTGTGAGTGGGTTTATGA
TTATACTTATGAAGAATGGCCTTCTACAAAGCAAGACCCACGGACTACCCCACTAGAGAACAGCAGCTC
CATTTTATTCGCCATTATCTGGCAGAGGTTCAGAAGGGTGAGATCCTCTCCGAAGAGGAACAGAAGAAAC
GGGAAGAAGAATTGCTGCTAGAGATCAGTCGGTACTCCCTGGCATCTCACTTTTTCTGGGGTCTGTGGTC
CACCTGCAGGCTTCGATGTCCACTATAGAGTTCGGTACTTGGAGTATGCCCAATCTCGGTTCCAGTTC
TACTTCCAGCAGAAGGGCCAGCTGACGAGTTCATCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202606 representing BC068195
Red=Cloning site Green=Tags(s)

MARFHGMEMPFTKEPRWLFGTMERYLKQIQDLPSTSLPQMNLVEMYSLKDEMNSLRKLLDDTPSPVVFCH
 NDIQEGNILLSEPDSDDNMLVDFEYSSYNYRGFDIGNHFCEWVYDYTYEWPFYKARPTDYPTREQQL
 HFIRHYLAEVQKGEILSEEEQKKREEELLLLEISRYSLASHFFWGLWSTLQASMSTIEFGYLEYAQRSRQF
 YFQQKGLTSSPSS

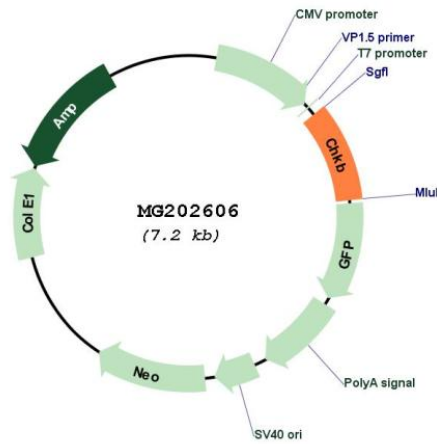
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC068195

ORF Size: 674 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:	BC068195 , AAH68195
RefSeq Size:	1278 bp
RefSeq ORF:	674 bp
Locus ID:	12651
Cytogenetics:	15 E3
Gene Summary:	Has a key role in phospholipid metabolism, and catalyzes the first step of phosphatidylethanolamine and phosphatidylcholine biosynthesis.[UniProtKB/Swiss-Prot Function]