

Product datasheet for **MG203193**

Cenpn (BC058243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cenpn (BC058243) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cenpn
Synonyms:	2610510J17Rik; AI426416; AW545024
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MG203193 representing BC058243 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTAAGGAACCAGGTGAAGATGTCGACCTTTTGGATATGGAACAGTTCCAAAGTTCCTTTAAGAGAA
TTCTTCAGAGAGCATTAAAAACGTTACAGTCAGCTTCAGAGTCTATGAGAAGGATTCGGTGTGGATCCG
AGTTGCCTGGGGAACACAGTATTCACAGCCAAACCAGTACAAGCCACGTTTCGTGGTGTATTATCCCCAG
ACTCCGTATGCCTTCATTTCTTCTGCCATCTGAAGAACACTGTGCCCTTCTCCATCAGGCACTGAAAG
TCGCCAGCAAACACCATCAGATTGTGCATTTGGATCTGAGGAGCAGGCACCTGGACTCACTCAAGGCAAT
TGTTTTTAGAGAGTATAATCAGACCTGTGAAAATTACAGCTCCACAACGCTCTCTGCAGGAAGCGAGCCTT
TCTATGTGTTGGATTCAAAGATCACTCACGAAAACACAGAAGAAAAAGTGAGGGTCCACCGAGTCACTC
AAGAGACCTTTGGGACCTACCCTCAGCCACAGCTAGAGTTCGCACAGTATAAGCTGGAACCAAGTTCAA
GAGTAACATAGGTGGGGCCTCTTGCCGACAGGAAAGAGCCCTCCGGTGCCTGTAAAGTTCTCCAGT
CCACATCTTTTGAAGCCTTGAATCCTTAGCTCCAGCCGGAATTGCAGATGCACCACTTTCTCCCTGC
TCACCTGCATACCGAGCAAGAAAATGAATTATTTAAAATTAGAGATAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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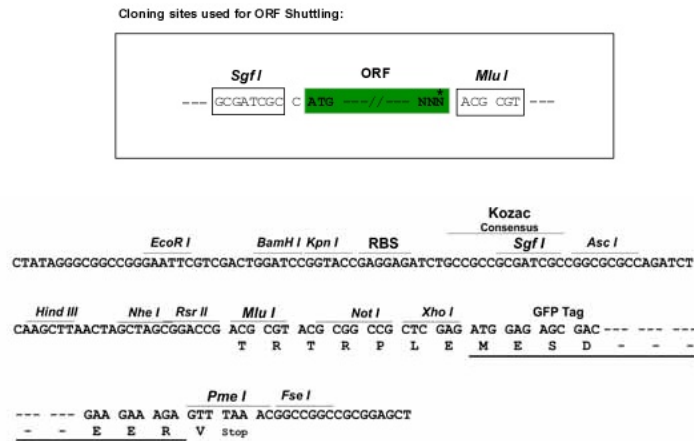
Protein Sequence: >MG203193 representing BC058243
 Red=Cloning site Green=Tags(s)

MSKEPGEDVDLFDMEQFQSSFKRILQRALKNVTVSFRVYEKDSVWIRVAWGTQYSQPNOYKPTFVVVYYPQ
 TPYAFISSCHLKNTVPLLHQALKVASKHHQIVHLDLRSRHLDSLKAIVFREYNQTCENYSSTTSLQEASL
 SMCLDSKITHENTEKVRVHRVTQETFGTYPQPQLEFAQYKLETKFKSNIGGGLLADRKEPFRCLVKFSS
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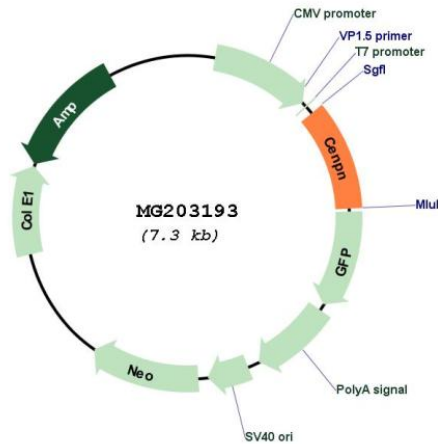
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC058243

ORF Size: 750 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.
RefSeq:	BC058243.1
RefSeq Size:	1740 bp
RefSeq ORF:	752 bp
Locus ID:	72155
Gene Summary:	Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. CENPN is the first protein to bind specifically to CENPA nucleosomes and the direct binding of CENPA nucleosomes by CENPN is required for centromere assembly. Required for chromosome congression and efficiently align the chromosomes on a metaphase plate.[UniProtKB/Swiss-Prot Function]