

Product datasheet for **MG202979**

Cenph (NM_021886) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cenph (NM_021886) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cenph
Synonyms:	1700021111Rik; 2410018A12Rik; 2610042E16Rik; 2810046K12Rik; AU044255; CENP-H; ENP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202979 representing NM_021886 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGCAGCCGCGGGAGAGGTCTGAGGCCGGGGCTGAGGCCTGCGAAGAGAAGCGGGGTCTGTGCG
AGGCCGCGGAGGAGCGTATCGAGGACCGTATCAGCCTGCTGCTCAGGCTGAGAGCTCAGACAAAACAGCA
GCTCTTAGAATAAAGTCCATGATCGACACAAATGAAGAAAAACTCCAGAACAGATTATGCAAGAAAA
CAGATCGAAGTTAAAATTGAAGAGCTGGAGAATGAAATTGAAGATGTAAGAAATATTGAAATGAAAA
GTCTTGCACTGAGCAGGATGAACTTTTCAGTTGCACTTCGGGATAACATGGAGAACATGGGACCTGAGAA
TTGTGTGCTCACAGATGACATGAAGCACATATTAAGCTACAAAAGTTAATAATGAAGTCCAGGAGGAG
TCTTCAGAACTGGAGAAAAGCTGCTTGATGTCAGAAAGAGAGACTACAATAAGCAAGCTTCAAGAA
GTAAGCTTTTAGAAATACAAATCGAGAAGAACAACAGAAAGAGGATGTCGACAAGATGGAGAATTCTGA
AATGATAAAGACCATGAAAAAAAACACAGACGGAGATAAAGATCACTACAGTTGTTCAACATACATTC
CAGGGCCTATTTTGGCGAGTAAAACCAACTGGGCAGAGGACCCTGCCCTCAGAGAGACAGTGTGCAGC
TGGAGAAGGACCTCACCCTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG202979 representing NM_021886
 Red=Cloning site Green=Tags(s)

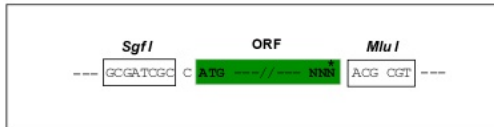
MEEQPRERSEAGAEACEEKRGLSQAEEERIEDRISLLRLRAQTKQQLLEYKSMIDTNEEKTPEQIMQEK
 QIEVKIEELENEIEDVKSNIEMKSLALSRMKLSVALRDNMENMGPENCVLTDMMKHLKQLKIMKSQEE
 SSELEKLLDVRKKRLQLKQASRSLLEIQIEKNKQKEDVDKMENSEMIKTMKKLQTEIKITTVVQHTF
 QGLILASKTNWAEDPALRETVLQLEKDLTTL

TRTRPLE - GFP Tag - V

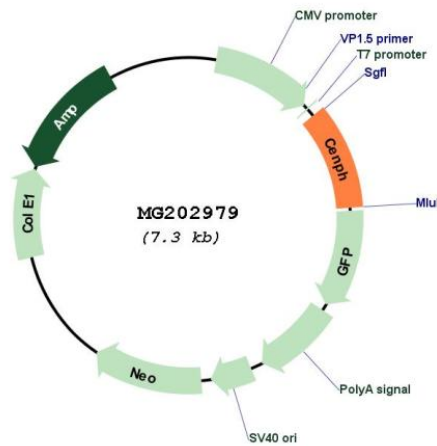
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_021886

ORF Size: 723 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_021886.1 , NP_068686.1
RefSeq Size:	1239 bp
RefSeq ORF:	726 bp
Locus ID:	26886
UniProt ID:	Q9QYM8
Cytogenetics:	13 D1
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. Required for chromosome congression and efficiently align the chromosomes on a metaphase plate (By similarity).[UniProtKB/Swiss-Prot Function]