

Product datasheet for **RG203426**

CENPN (NM_018455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CENPN
Synonyms:	BM039; C16orf60; CENP-N; ICEN32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203426 representing NM_018455
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATGAGACTGTTGCTGAGTTCATCAAGAGGACCATCTTGAAAATCCCATGAATGAACTGACAACAA
TCCTGAAGGCCTGGGATTTTTGTCTGAAAATCAACTGCAGACTGTAAATTTCCGACAGAGAAAGGAATC
TGATGTTGACACTTGATCCATCTGTGTGAGGAAAAGCGTGCAAGTATCAGTGATGCTGCCCTGTTAGAC
ATCATTTATATGCAATTTTCATCAGCACCAGAAAGTTTGGGATGTTTTTCAGATGAGTAAAGGACCAGGTG
AAGATGTTGACCTTTTTGATATGAAACAATTTAAAAATTCGTTCAAGAAAATTCCTCAGAGAGCATTAAA
AAATGTGACAGTCAGCTTCAGAGAACTGAGGAGAATGCAGTCTGGATTGCAATTGCCTGGGGAACACAG
TACACAAAGCCAAACAGTACAACCTACCTACGTGGTGTACTACTCCAGACTCCGTACGCCTTACCGT
CCTCCTCCATGCTGAGGCGCAATACACCGCTTCTGGGTCAGGAGTTAGAAGCTACTGGGAAAATCTACCT
CCGACAAGAGGAGATCATTTTAGATATTACCGAAATGAAGAAAGCTTGCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203426 representing NM_018455
Red=Cloning site Green=Tags(s)

MDETVAEFIKRTILKIPMNELTTILKAWDFLSENQLQTVNFRQRKESVVQHLIHLCEEKRASISDAALLD
IIYMQFHQKQVWDVFQMSKGPGEVDLFDKQFKNSFKILQRALKNVTVSFRETEENAVWIRIAWGTQ
YTKPNQYKPTYVVVYSQTPYAFTSSSMLRRNTPLLQGELEATGKIYLRQEEIILDITEMKKACN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_018455

ORF Size: 612 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.

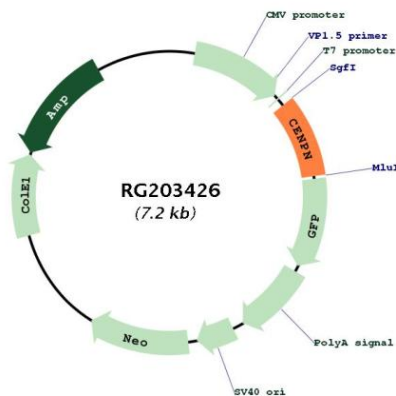
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018455.4](#)

RefSeq Size: 1405 bp

RefSeq ORF:	615 bp
Locus ID:	55839
UniProt ID:	Q96H22
Cytogenetics:	16q23.2
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene forms part of the nucleosome-associated complex and is important for kinetochore assembly. It is bound to kinetochores during S phase and G2 and recruits other proteins to the centromere. Pseudogenes of this gene are located on chromosome 2. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG203426