

## Product datasheet for **MG223561**

### **Cenpc1 (NM\_007683) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cenpc1 (NM_007683) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cenpc1
Synonyms:	CENP-C; Cenpc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG223561 representing NM\_007683  
Red=Cloning site Blue=ORF Green=Tags(s)

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**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG223561 representing NM\_007683  
 Red=Cloning site Green=Tags(s)

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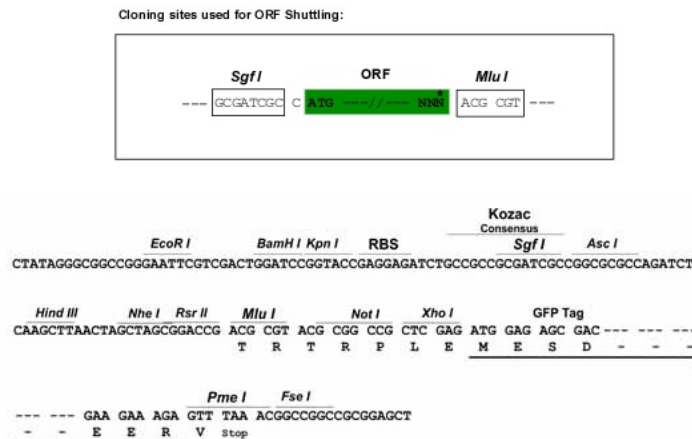
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A K M E L P L D M R L G D P F Q A T L A K D P E T A E L V P M D L I R P R D T Y R F F V E Q H G L K V F K T L D T I Y F S T G K L V L G P Y
E E K G K Q H V G Q D I L V F Y V N F G D L L C T L H E T P Y K L T T G D S F Y V P S G N H Y N I K N L L N V E S S L L F T Q I K R
  
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TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3708\\_e09.zip](https://cdn.origene.com/chromatograms/ja3708_e09.zip)

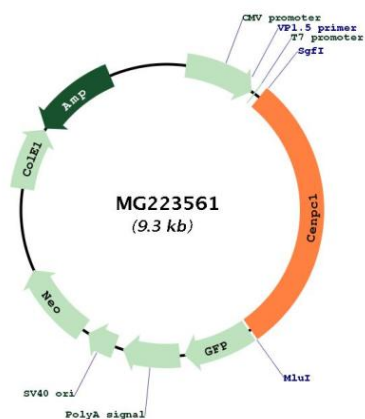
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_007683
<b>ORF Size:</b>	2718 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007683.4</a>
<b>RefSeq Size:</b>	3192 bp
<b>RefSeq ORF:</b>	2721 bp
<b>Locus ID:</b>	12617
<b>UniProt ID:</b>	<a href="#">P49452</a>
<b>Cytogenetics:</b>	5 E1
<b>Gene Summary:</b>	This gene encodes a centromeric protein component of a nucleosome-associated complex that plays a central role in kinetochore protein assembly, mitotic progression and chromosome segregation. The human ortholog encodes a protein with DNA-binding activity, that associates constitutively to kinetochores throughout the cell cycle, as part of a prekinetochore complex, together with centromeric protein-A and centromeric protein-B. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Product images:



Circular map for MG223561