

Product datasheet for **MG201638**

Cenpm (BC009160) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cenpm (BC009160) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cenpm
Synonyms: 2610019I03Rik; AI853711; Pane1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201638 representing BC009160
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGTGCTGAGGTCGATGGACAAGCTGCCCGACCTGAACAGGGCTACCGTCTTGCTGGTGAGCACCG
 AGGATGCGCTTCTGCAGCAGCTGGCGGAGTCGATGCTCAAAGATGACTGTGCGTCCGAGCTGAGGGTCCA
 CTTGGCCAACTCCCTCCCTCTGCCCTCCAATGTGAACCGCCCGAATTGACCTGATTGTGTTTGTGATT
 AACCTGCACAGCAAATACAGTCTCCAGAAAGTGGAGGAGTTTCTGCAGCACGTGGACAGCAGCTTCTTCC
 TGGGAAAAGTGTGCTTCTTGTACAGGGGCGGGACAGGAAAGCCACTGCAGCGTCCACCAGAACACAGT
 TATAAAACTGGCCACACCTACCGAAGCCCGCTGTTCTCTGTGATTTACAGAAGGTGAAAAGCTTTCGT
 GCAGCCATGGCGCGCGTCTGGTGCATTCTGCAGATCTGCGCTGGCCATGTGCCAGGCGTCTCCGCGC
 TGAACCTGATGCTTGTGTCGGAGCCCGAGAACCCCATCCAAGGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201638 representing BC009160
 Red=Cloning site Green=Tags(s)

MSVLRSMDKLPDLNRATVLLVSTEDALLQQLAESMLKDDCASELRVHLANSLPLPSNVNRPRIDLIVFVI
 NLHYSKSLQKVEEFLQHVDSFFLGKVCFLVTGAGQESHCSVHQNTVIKLAHTYRSPLFLCDLQKVESFR
 AAMARRLVRILQICAGHVPVGSALNLSLLRSPENPPSKEL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC009160

ORF Size: 545 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.

RefSeq: [BC009160](#), [AAH09160](#)

RefSeq Size: 902 bp

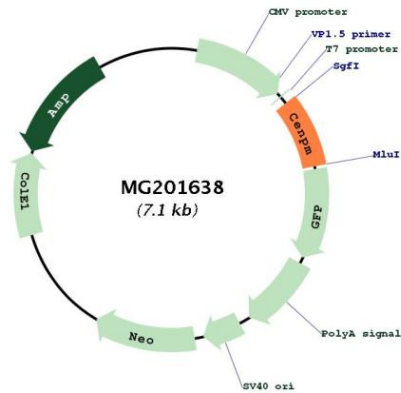
RefSeq ORF: 545 bp

Locus ID: 66570

Cytogenetics: 15 E1

Gene Summary:

This gene encodes a protein that is present in the nucleus of actively growing cells but is excluded from the nucleus during cell division or during growth arrest as a result of contact inhibition. In human, this protein is a component of the CENP-A nucleosome-associated complex that regulates kinetochore protein assembly, mitotic cell-cycle progression, and chromosome segregation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:

Circular map for MG201638