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Product datasheet for MG201474

Cetn2 (NM_019405) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: Cetn2

Synonyms: 1110034A02Rik; AI326150; Calt; caltractin

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG201474 representing NM_019405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCTAATTTTAAGAAGACAACCATGGCATCCAGTGCCCAGAGAAAAAGGATGAGTCCTAAGCCTG
AACTTACTGAAGACCAGAAACAGGAAATCCGGGAAGCTTTTGATCTCTTTGATGCTGATGGAACTGGAAC
TATAGACATCAAAGAACTGAAGGTGGCAATGAGGGCCCTGGGCTTTGAGCCCAAGAAAGAAGAAATTAAG
AAAATGATAAGTGAAATTGATAAAGAAGGAACAGGAAAAATGAACTTCAGTGACTTTTTGACAGTGATGA
CTCAGAAAATGTCTGAGAAAGACACTAAAGAAGAAATCCTGAAAGCTTTCAAGTTGTTCGATGATGATGA
GACTGGGAAAATATCATTCAAGAATCTTAAGCGCGTGGCCAAGGAGCTGGGTGAGAACCTGACAGATGAG
GAACTGCAGGAAATGATTGATGAAGCTGATCGAGATGGAGATGGTGAGGTCAATGAGCAAGAGTTCCTGC
GCATCATGAAAAAGACCAGCCTCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG201474 representing NM_019405
Red=Cloning site Green=Tags(s)

MASNFKKTTMASSAQRKRMSPKPELTEDQKQEIREAFDLFDADGTGTIDIKELKVAMRALGFEPKKEEIK
KMISEIDKEGTGKMNFSDFLTVMTQKMSEKDTKEEILKAFKLFDDDETGKISFKNLKRVAKELGENLTDE
ELQEMIDEADRDGDGEVNEQEFLRIMKKTSLY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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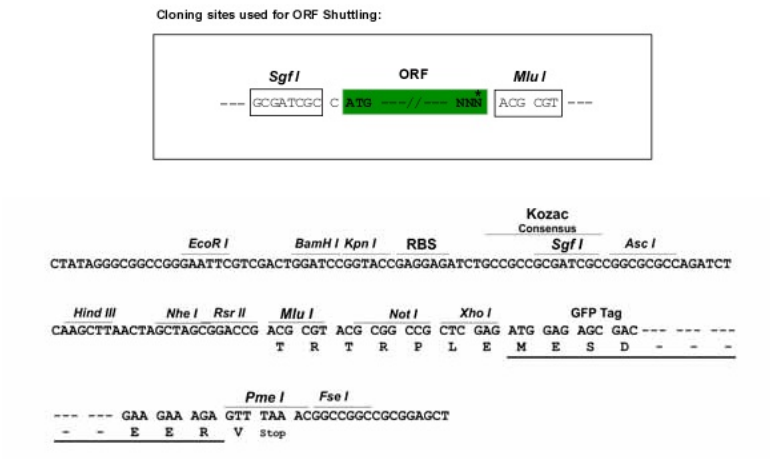
Cloning Scheme:



ACCN: NM_019405

ORF Size: 516 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_019405.6

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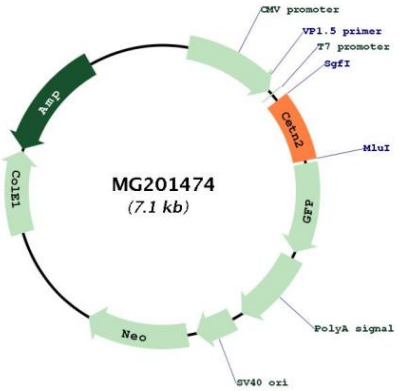
RefSeq Size:	1187 bp
RefSeq ORF:	519 bp
Locus ID:	26370
UniProt ID:	Q9R1K9
Cytogenetics:	X 37.29 cM
Gene Summary:	Plays a fundamental role in microtubule organizing center structure and function. Required for centriole duplication and correct spindle formation. Has a role in regulating cytokinesis and genome stability via cooperation with CALM1 and CCP110 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201474

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