

Product datasheet for **RG214707**

CENATAC (NM_198489) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CENATAC
Synonyms:	CCDC84; DLNB14
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214707 representing NM_198489
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCGGCGCAGCGCTGCCCTCTGTGCCGCCAGACCTTCTTGTGGTCGCGGGCAGCTTTACAGCC
GCAAGCACCAAGCGCAGCTGAAGGAGGCTTTGGAGAGGCTCCTGCCCGAGTGAGGCGGCCGCAAGGC
CATCCGCGCCGCTCAGGTGGAGCGCTATGTGCCGAACACGAGCGATGCTGCTGGTGCCTGTGCTGCGGC
TGTGAGGTGCGGGAACACCTGAGCCATGGAACCTGACGGTGCTGTACGGGGGGCTGCTGGAGCATCTGG
CCAGCCCAGAGCACAAGAAAGCAACCAAAATTCGGTGGGAGAACAAGCTGAGGTCCAGATGAAAGA
GAAGTTTCTGGTCACTCCCCAGGATTATGCGCGATTCAAGAAATCCATGGTGAAAGGTTTGGATTCTAT
GAAGAAAAGGAGGATAAAGTGATCAAGGAGATGGCAGCTCAGATCCGTGAGGTGGAGCAGAGCCGACAGG
AGGTGGTTCGGTCTGTCTTAGAGCCTCAGGCAGTGCCAGACCAGAAGAGGGCTCTTCAGCACCTAGAAG
CTGGAAGGGATGAACAGCCAAGTAGCTTCCAGCTTACAGCAGCCCTCAAATTTGGACCTGCCACCAGCT
CCAGAGCTTGACTGGATGGAGACAGGACCATCTCTGACATTCATTGGCCATCAGGATATACCAGGAGTTG
GTAACATCCACTCAGGTGCCACACCTCCCTGGATGATCCAAGATGAAGAATACATTGCTGGGAACCAAGA
AATAGGACCATCTATGAAGAATTTCTTAAGAAAAGGAAAAACAGAAGTTGAAAAACTCCCCCAGAC
CGAGTTGGGGCCAACTTTGATCACAGCTCCAGGACCAAGTGCAGGCTGGCTGCCCTCTTTGGCCGCGTCT
GGAATAATGGACGCGCTGGCAGTCCAGACATCAATTCAAACTGAAGCTGCAGCAATGAAGAAGCAGTC
ACATACAGAAAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



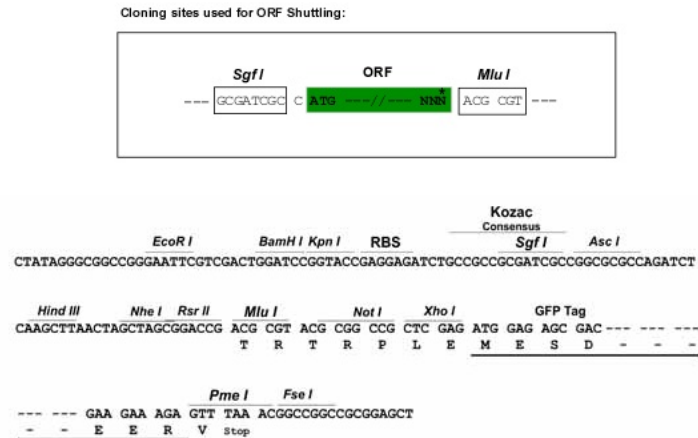
Protein Sequence: >RG214707 representing NM_198489
Red=Cloning site Green=Tags(s)

MAPAQRCP LCRQTF FCGRGHVYSRKHQRQLKEALERLLPQVEAARKAIRAAQVERYVPEHERCCWCLCCG
CEVREHL SHGNTLTVLYGGLLEHLASPEHKATNKFWWENKAIEVQMKEKFLVTPQDYARFKKSMVKGLDSY
EEKEDKVIKEMAAQIREVEQSRQEVVRSVLEPQAVPDPEEGSSAPRSWKGMNSQVASSLQQPSNLDLPPA
PELDWMETGPSLTFIGHQDIPGVGNIHSGATPPWMIQDEEYIAGNQEIGPSYEEFLKEKEKQKLKLLPPD
RVGANFDHSSRTSAGWLPSFGRVWNNRRWQSRHQFKTEAAAMKKQSHTKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198489

ORF Size: 996 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_198489.3](#)

RefSeq Size: 1202 bp

RefSeq ORF: 999 bp

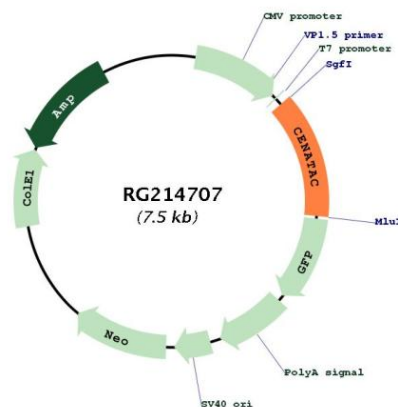
Locus ID: 338657

UniProt ID: [Q86UT8](#)

Cytogenetics: 11q23.3

Gene Summary: This gene encodes a protein thought to contain a coiled coil motif. No function has been determined for the encoded protein. A pseudogene of this gene is located on chromosome 20. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG214707