

Product datasheet for **RG200016**

C14orf166 (RTRAF) (NM_016039) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf166 (RTRAF) (NM_016039) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C14orf166
Synonyms:	C14orf166; CGI-99; CGI99; CLE; CLE7; hCLE; hCLE1; LCRP369; RLLM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200016 representing NM_016039 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCGACGCAAGTTGACGGCTCTCGACTACCAACCCCGCGGCTTCAACTGCAAAGATGAAACAG
AATTTAGAAACTTCATCGTTTGGCTTGAAGACCAGAAAATCAGGCACTACAAGATTGAAGACAGAGGGAA
TTAAGAAACATCCACAGCAGCGACTGGCCCAAGTTCTTTGAAAAGTATCTCAGAGATGTTAACTGTCCT
TTCAAGATTCAAGATCGACAAGAAGCTATTGACTGGCTTCTTGGTTTAGCTGTTAGACTTGAATATGGAG
ATAATGCTGAAAATACAAGATTTAGTACCTGATAATTCAAAACACTGCTGACAATGCAACTAAAAATGC
AGAACCATTGATCAATTTGGATGTAATAATCCTGATTTAAGGCTGGTGTGATGGCTTTGGCTAACCTG
CTTCAGATTACGCGTCATGATGATTACCTGGTAATGCTTAAGGCAATTCGATTTTGGTTTCAGGAGCGCC
TGACACAGGATGCAGTTGCTAAGGCAAATCAAACAAAAGAGGGCTTACCTGTTGCTTTAGACAAACATAT
TCTTGGTTTTGACACAGGAGATGCAGTTCTTAATGAAGCTGCTCAAATCTGCGATTGCTGCACATAGAG
GAGCTCAGAGAGCTACAGACAAAATCAACGAAGCCATAGTAGCTGTTTCAGGCAATTATTGCTGATCCAA
AGACAGACCACAGACTGGGAAAAGTTGGAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200016 representing NM_016039
 Red=Cloning site Green=Tags(s)

MFRRKLTALDYHNPAGFNCKDETEFRNFIVWLEDQKIRHYKIEDRGNLRNIHSSDWPKFFEKYL RDVNCP
 FKIQDRQEAI DWLLGLAVRLEYGDNAEKYKDLVPDNSKTADNATKNAEPLINLDVNNPDFKAGVMALANL
 LQIQRHDDYL VMLKAIRILVQERLTQDAVAKANQTK EGLPVALDKHILGFDTGD AVLNEAAQILRLHLIE
 ELRELQTKINEAIVAVQAI IADPKTDHRLGKVGR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016039

ORF Size: 732 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: [NM_016039.3](#)

RefSeq Size: 1105 bp

RefSeq ORF: 735 bp

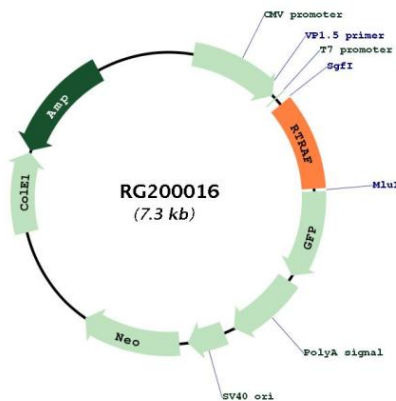
Locus ID: 51637

UniProt ID: [Q9Y224](#)

Cytogenetics: 14q22.1

Gene Summary: RNA-binding protein involved in modulation of mRNA transcription by Polymerase II (PubMed:16950395). Component of the tRNA-splicing ligase complex and is required for tRNA ligation (PubMed:24870230). May be required for RNA transport (PubMed:24608264). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200016