

Product datasheet for **RG235784**

C11orf51 (ANAPC15) (NM_001278491) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C11orf51 (ANAPC15) (NM_001278491) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: C11orf51
Synonyms: APC15; C11orf51; HSPC020
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235784 representing NM_001278491.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCACTTTGTTCCCCTCACTCTTCCCTCGTGTGACTGAGACTCTGTGGTTTAACTGGATCGACCC
TGTGTGGAAGAGACAGAGCTGCAGCAGCAGGAACAGCAGCATCAGGCCTGGCTCCAAAGCATCGCGGAG
AAAGACAACAACCTGGTTCTATTGGCAAGCCAGCCTCAGAGCACTATGATGACGAGGAAGAAGAGGAT
GATGAAGATGATGAGGATAGTGAAGAGGACTCAGAGGATGATGAGGATATGCAGGACATGGACGAGATG
AATGACTACAATGAGTACCGGATGATGGAGAGGTCAATGAGGTGGACATGGAAGCAACGAACAGGAT
CAGGACCAGTGGATGATC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235784
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSTLFPSLFPRVTETLWFNLDRPCVEETELQQEQQHAWLQSI AEKDNLVPIGKPASEHYDDEEEED
DEDEDESEEDSEDEDMQDMDEMNDYNE SPDDGEVNEVDMEGNEQDQDQWMI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001278491

ORF Size: 363 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).

RefSeq: [NM_001278491.1](#), [NP_001265420.1](#)

RefSeq Size: 780 bp

RefSeq ORF: 366 bp

Locus ID: 25906

UniProt ID: [P60006](#)

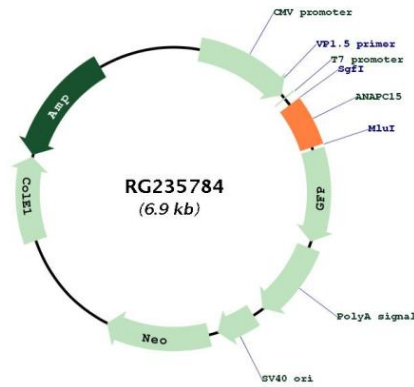
Cytogenetics: 11q13.4

MW: 14.3 kDa

Gene Summary:

Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. In the complex, plays a role in the release of the mitotic checkpoint complex (MCC) from the APC/C: not required for APC/C activity itself, but promotes the turnover of CDC20 and MCC on the APC/C, thereby participating in the responsiveness of the spindle assembly checkpoint. Also required for degradation of CDC20.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG235784