

Product datasheet for **RG236039**

ZCCHC17 (NM_001282574) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZCCHC17 (NM_001282574) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZCCHC17
Synonyms: HSPC251; pNO40; PS1D
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236039 representing NM_001282574.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATTCAGGAAGCCTGAGACCATGGAAAATTGCCTGCTCTACACTATTTTCCAAGGAGAGGTT
GCTATGGTGACAGACTATGGGCCTTTATCAAATCCCAGGCTGTGGAAGCAAGGTCTGGTCCATCGA
ACTCATATGTCATCCTGTCGGGTGGATAAGCCCTCTGAGATAGTAGATGTTGGAGATAAAGTGTGGTG
AAGCTTATTGGCCGAGAGATGAAAATGATAGAATAAAAGTATCCCTCTCCATGAAGTTGTCAATCAA
GGGACTGGGAAAGACCTTGATCCCAACAATGTTATCATTGAGCAAGAAGAGGGCGGAGCGATCCCTC
CAGGATTACACTGGGCAGAAGATCACCCCTTGAGGCTGTCTGAACACTACCTGCAAGAAGTGTGGCTGT
AAAGGAGAAGAAGAAAAAGAAACA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236039
Blue=ORF Red=Cloning site Green=Tag(s)

```
MNSGRPETMENLPALYTIFFQGEVAMVTDYGAFFIKIPGCRKQGLVHRTHMSSCRVDPSEIVDVGDKVWV
KLIIGREMKNDRIVSLSMKVVNQGTGKDLDPNNVIEEQEERRRRSFQDYTGQKITLEAVLNTTCKKCGC
KGEEEKET
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:

Cloning sites used for ORF Shutting:



```

                                Kozac
                                Consensus
                                SgfI
                                AscI
EcoRI      BamHI KpnI    RBS
CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII    NheI  RsrII   MluI      NotI    XhoI      GFP Tag
CAAGCTTAAGTACTAGCTAGCGGACCG  ACG CGT  ACG CGG  CCG CTC GAG  ATG GAG AGC GAC --- ---
                                     T  R  T  R  P  L  E  M  E  S  D  -  -  -

                                PmeI    FseI
                                --- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
                                - - - E  E  R  V  Stop
    
```

ACCN: NM_001282574

ORF Size: 438 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_001282574.1](#), [NP_001269503.1](#)
RefSeq Size: 1489 bp

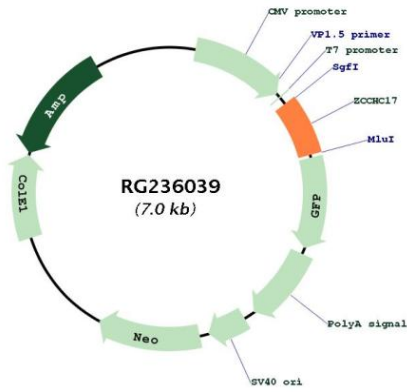
RefSeq ORF: 441 bp

Locus ID: 51538

UniProt ID: [Q9NP64](#)
Cytogenetics: 1p35.2

MW: 17 kDa

Product images:



Circular map for RG236039