

## Product datasheet for **RG236645**

### **C21orf58 (NM\_001286476) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C21orf58 (NM\_001286476) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C21orf58  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236645 representing NM\_001286476.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCATCCTGCCCGGAGAGGGCGCTGTACCTGGCCAGGCTGGCCTGAGCCTGATGCTGGGGGTGCC
TCTGTGGCGTTGGGGCTCCCCGTCCCCGTGTGCAGCAGCTCTGCATCGGCCTTGCAGGAACAACACCTC
CTGGACGAGCTCTCTCGGGCCAGGCTGGAGCGGGCCAAGCAGAGGAGCCCTCGGGTACGCCCTGCC
CCAGAGCTGCCCCCACGGGCATCTACCCACTGCCTCCCCATCCCCGCTGGCCCCAGACCCGCCAAGG
ATCATCTGCCTACGGTCCCCAGCCTCCTGCCACCATCATTAGGAAGATTAAGGAAGACATGGTGGAG
GCACAGATTCTCTCCCCAGGCCTTCCCTACTCAACGGTCAGGAAGTATTAAGGAAGACATGGTGGAG
CTGCTGCTGCTGCAGAACGCACAGGTGCACAGTTGGTCTGCAGAACTGGATGCTCAAGGCCCTGCC
CCAGCCCTGCAGGACCCGCCACATGTGCCCCGAGGGTCCACGAGCTGCCAGGCCAAGGCTGCCTGCC
GTGCACCACCACCACCACCACCACCATGCTGTGTGGCCACCTGGGGCTGCCACTGTCTCCAGCCCGCC
CCCAGCCTGTGGACGCCTGGCCACCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236645  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MAILPGEAPVPGPWPEPDAGGASVALGLPVPVCSASALQEQHLLDELSRAQAWGSPSRGALGSALP
PELPPTGILPTASPSPLAPDPPRIILPTVPQPPATIIQQLPQQPLIAQIPPPQAFPTQRSISIKEDMVE
LLLLQNAQVHQLVLQNWMLKALPPALQDPPHVPVPRVPRARPRPAPVHHHHHHHHHVVWPPGAATVLPQA
PSLWTPGPP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY
```

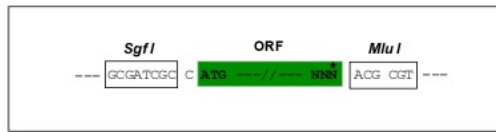


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Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_001286476

ORF Size: 648 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\\_001286476.1](#), [NP\\_001273405.1](#)

RefSeq Size: 2981 bp

RefSeq ORF: 651 bp

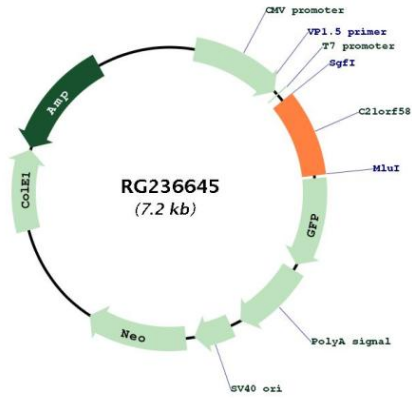
Locus ID: 54058

UniProt ID: [P58505](#)

Cytogenetics: 21q22.3

MW: 23.2 kDa

Product images:



Circular map for RG236645