

## Product datasheet for **RG236946**

### **C12orf43 (NM\_001286195) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf43 (NM_001286195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C12orf43
Synonyms:	Custos
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236946 representing NM_001286195. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCGCCCAGTGGCACAGTGAGCGATTCGGAAAGTAGTAACAGCAGTAGCGATGCGGAGGAGCTG
GAGCGGTGCCGCGAGGCGCAATGCCGGCTTGGGGCTTGGAGCAACGCCCGCACGTGGCAGGGAAGCCA
AGAGCCGGTGCTGCAAAATAGCCAGTTGTCAACCTCCCAACCGAGCCTCAGGCATAAGGTGAATGAGCAT
GAACAAGATGGCAACGAGCTTCAGACCACCCTGAATTCGAGCCACGTAGCCAAGAAGCTGGGAGCC
CTGCTGGACAGCTTCATTACCATCTCAGAAGCAGCAAAGGAGCCAGCAAAAGCTAAGGTACAGAAAGTC
GCTTTGGAGGATGATGGCCGTGAGAAGGAAGAGTCTCCCAACCCGCCGAAAGCGACAGCCCTCCAGC
TCCAGCAGTGAGGACAGTGACGAGGAGTGGCGGCGGTGCCGGGAGGCAGCTGTGTGCGCGTCCGACATC
CTACAGGAGTCAGCCATCCACAGCCCTGGAACAGTGGAGAAGGAGGCAAAGAAGAAAAGGAAGTTGAAA
AAGAAAGCCAAGAAGGTGGCCAGTGTGCGACTCGGCTGTCGCTGCCACCACCCACCAGCATGGCCACA
GTCCAGAAGCAGAAGTCAGGTGAGCTCAACGGGGACCAGGTGTCGCTTGGGACCAAAAAGAAGAAAAAG
GCAAAGAAGGCCAGCGAGACCTCTCCATCCCACCAGCAAAGAGTGCTACAGCTATACCTGCAAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236946  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAAPSGTVSDSESSNSSDAEELERCREAAMPWGLEQRPHVAGKPRAGAANSQLSTSQP SLRHKVNEH  
 EQDGNELQTTPEFRAHVAKKLGALLDSF ITI SEAAKEPAKAKVQKVALEDDGREKEESPQRRKRQPSS  
 SSESDEEWRRCREAAVSASDILQESAIHSPGTVEKEAKKKRKLKKKAKKVASVDSAVAATTPTSMAT  
 VQKQKSGELNGDQVSLGTTKTKKKAKKASETSPFPKASATAIPAN  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286195

**ORF Size:** 756 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).

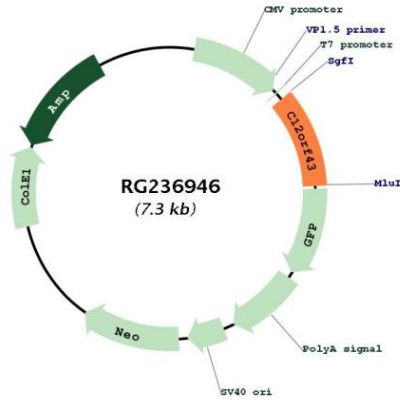
**RefSeq:** [NM\\_001286195.2](#)

**RefSeq Size:** 2518 bp

**RefSeq ORF:** 759 bp

**Locus ID:** 64897  
**UniProt ID:** [Q96C57](#)  
**Cytogenetics:** 12q24.31  
**MW:** 27.5 kDa  
**Gene Summary:** Plays a role in the regulation of Wnt signaling pathway during early development. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG236946