

## Product datasheet for **RG237480**

### GTDC1 (NM\_001284234) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GTDC1 (NM_001284234) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GTDC1
Synonyms:	Hmat-Xa; mat-Xa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237480 representing NM_001284234. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAATCATTCTCACTTCCATGGGAAAATTTATGAAGCTGATTCCTGATCACAGACCCAAGGATCTG
GAAAGCATCATCAGACCCAAGTGCCAAGTTATTTACTTTCCCATCAGTTTCCTGATGTGAGCAGATTC
ATGCCAAGCACAAAACAACCCATTTAAAGAAGATGCTCGGCCTTAAAGGAAATGGCGGTGCGGTTCTG
TCCATGGCCCTTCCTTTTCAGCCAGAGCAGAGAGATT CAGAGGATTTATTGAAGAATTTAATTCAGAG
TGTGATACACACTGTGGCCTTGATACTGCACGACAAGAATATTTGGGTAACCTATTAAGACAGGAATCA
GACTTGAAAAAATCCACCTCGTCAGATAATTCAAGCTCTCATCATGGTAAAATAAACAATACTGACT
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AGGTGGGAGCATGATAAAGATCCAGAAAGCTTTTTAAGGTATTAATGCATCTTAAAGACTTAGGACTC
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TGTGGGTGTTACCCACTTGTCTAAAGATTTGGTTTATCCCGAAATATTTCCAGCTGAATATCTGTAT
TCTACACCTGAACAGCTTTCAAAAAGGCTCCAGAATTTCTGCAAGAGACCAGATATTATAAGAAAACAT
CTCTATAAGGGTGAAATCGCTCCGTTTTCTTGGGCAGCCCTACATGGTAAATTCAGGTCTCTGCTTACA
ACAGAACCTAGGGAAGATTTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



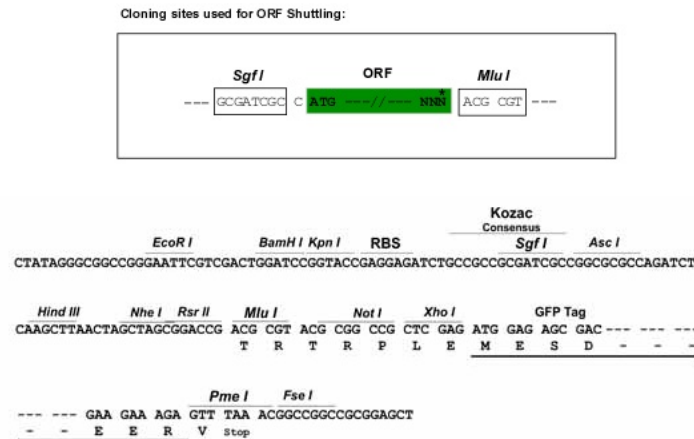
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237480  
 Blue=ORF Red=Cloning site Green=Tag(s)

MESFLTSMGKFMKLI PDHRPKDLESIIRPKCQVIYFPIRFPDVSFRMPKHKTTHLKKMLGLKNGGAVL  
 SMALPFQPEQRDSEDLKKNFNSECDTHCGLDARQEYLGNSLRQESDLKKSTSSDNSSSHHGENKQNL T  
 VDPCDILGGVDNQRLRHIVWPHRWEHDKDPESFFKVLMLKDLGLNFHVSVLGETFTDVPDIFSEAKK  
 ALGSSVLHWGYLPSKDDYFQVLCMADVISTAKHEFFGVAMLEAVYCGCYPLCPKDLVYPEIFPAEYLY  
 STPEQLSKRLQNFCKRPDIIRKHLKYGEIAPFSWAALHGKFRSLLTTEPREDL  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001284234

**ORF Size:** 987 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).

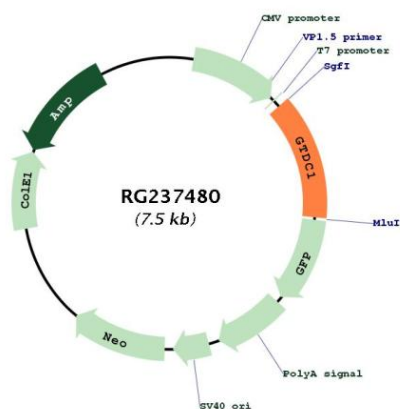
**RefSeq:** [NM\\_001284234.3](#)

**RefSeq Size:** 2407 bp

**RefSeq ORF:** 990 bp

Locus ID: 79712  
 UniProt ID: [Q4AE62](#)  
 Cytogenetics: 2q22.3  
 MW: 38.1 kDa

**Product images:**



Circular map for RG237480