

Product datasheet for **RG237838**

GTDC1 (NM_001284233) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTDC1 (NM_001284233) 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:	>RG237838 representing NM_001284233. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAGTATCCTCATCATTGAAGCATTCTATGGAGGCTCCCATAAACAGCTGGTGGATCTTCTTCAAGAA
GAGTTAGGAGACTGTGTCGTTTATACCCTTCTGCAAAGAAATGGCATTGGAGAGCCCGGACATCTGCT
TTATATTTCTCTCAGACCATTCCCATCAGTGAGCATTACAGGACCCTCTTTGCAAGTTCAGTGCTTAAC
CTGACCGAACTGGCTGCCCTTCGGCCTGACCTTGGGAACTGAAAAGATTCTGTATTTTACGAGAAC
CAGTTGATATATCCTGTCAAGAAATGTCAGGAGAGGGATTCCAATATGGATAACAACCAATTCTTTCA
TGCCTGGTGGCTGATGTGTTGTATTCAACTCAGTTTTTAATATGGAATCATTCTCACTCCATGGGA
AAATTTATGAAGCTGATTCTGATCACAGACCCAAGGATCTGGAAAGCATCATCAGACCCAAGTGCCAA
GTTATTTACTTTCCCATCAGTTTCTGATGTGAGCAGATTATGCCCAAGCACAAAACAACCCATTTA
AAGAAGATGCTCGGCCTTAAAGGAAATGGCGGTGCGGTTCTGTCCATGGCCCTTCCTTTTTCAGCCAGAG
CAGAGAGATTCAGAGGATTTATTGAAGAATTTAATTCAGAGTGTGATACACACTGTGGCCTTGACT
GCACGACAAGAATATTTGGGTAACCTATTAAGACAGGAATCAGACTTGAAAAATCCACCTCGTCAGAT
AATTCAGCTCTCATCATGGTAAAATAAACAAAATCTGACTGTTGATCCCTGTGACATTTTGGGTGGA
GTTGATAATCAGCAAAGACTGCTACACATTGTCTGGCCTCACAGGTGGGAGCATGATAAAGATCCAGAA
AGCTTTTTTAAGGTATTAATGCATCTTAAAGACTTAGGACTCAATTTCCACGTGTCTGTACTTGGAGAA
ACCTTACAGATGTCCAGGTTGGAAGCTGTGTACTGTGGGTGTTACCCACTTTGTCTAAAGATTGG
TTTATCCCGAAATATTTCCAGCTGAATATCTGTATTCTACACCTGAACAGCTTTCAAAAAGGCTCCAGA
ATTTCTGCAAGAGACCAGATATTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237838
 Blue=ORF Red=Cloning site Green=Tag(s)

MSILIEAFYGGSHKQLVDLLQEELGDCVVYTLPAKKWHWRARTSALYFSQTIPISEHYRTLFASSVLN
 LTELAALRPDLGKLLKILYFHENQLIYPVKKCQERDFQYGYNQILSCLVADVVFNSVFNMESFLTSMG
 KFMKLIIPDHRPKDLESIIRPKCQVIYFPIRFPDVSFRFMPKHKTTHLKKMLGLKGNNGGAVLSMALPFQPE
 QRDSEDLKKNFNSECDTHCGLDTARQEYLGNSLRQESDLKSTSSDNSSSHHGENKQNLTVDPDCILGG
 VDNQQRLLHIVPHRWEHDKDPESFFKVLMLKDLGLNFHVSVLGETFTDVPGWKLCVGVTHFVLKIW
 FIPKYFQLNICILHLNSFQKGSRIARDQIL
 TRTRPLEMESDEGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001284233

ORF Size: 1128 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](#)

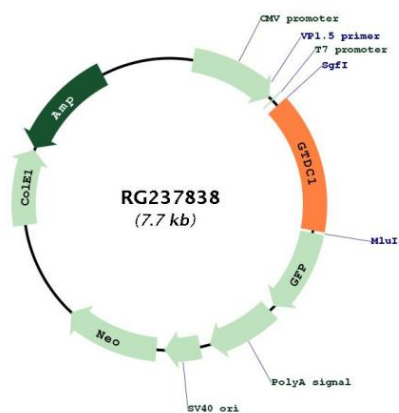
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001284233.4](#)

RefSeq Size: 2371 bp

RefSeq ORF: 1131 bp
 Locus ID: 79712
 UniProt ID: [Q4AE62](#)
 Cytogenetics: 2q22.3
 MW: 43.8 kDa

Product images:


Circular map for RG237838