

Product datasheet for **RG238155**

GTDC1 (NM_001284238) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTDC1 (NM_001284238) 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:	>RG238155 representing NM_001284238. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGACTCTTCATGTCTGGATATGGTTGGATTTATGCCTTGCCCAAATCTCATGCAGAATTATAAT
CACCAATGTTGCAGGACCCTCTTTGCAAGTTCAGTGCTTAACCTGACCGAACTGGCTGCCCTTCGGCCT
GACCTTGGGAAACTGAAAAAGATTCTGTATTTTCACGAGAACCAGTTGATATCCTGTCAAGAAATGT
CAGGAGAGGGATTCCAATATGGATAACAACAAATTTCTTCATGCCTGGTGGCTGATGTGGTTGTATTC
AACTCAGTTTTTAATATGGAATCATTCTCACTTCCATGGGAAAATTTATGAAGCTGATTCCTGATCAC
AGACCAAGGATCTGAAAGCATCATCAGACCAAGTGCCAAGTTATTTACTTTCCCATCAGTTTTCTCT
GATGTGAGCAGATTCATGCCAAGCACAAAACAACCCATTTAAAGAAGATGCTCGGCCTTAAGGAAAT
GGCGGTGCGGTTCTGTCCATGGCCCTTCCTTTTCAGCCAGAGCAGAGAGATTAGAGGATTTATTGAAG
AATTTTAATTCAGAGTGTGATACACACTGTGGCCTTGATACTGCACGACAAGAATATTTGGGTAACCTCA
TTAAGACAGGAATCAGACTTGAAAAATCCACCTCGTCAGATAATTCAAGCTCTCATCATGGTAAAAAT
AAACAAAATCTGACTGTTGATCCCTGTGACATTTGGGTGGAGTTGATAATCAGCAAAGACTGCTACAC
ATTGTCTGGCCTCACAGGTGGGAGCATGATAAAGATCCAGAAAGCTTTTTTAAGGTATTAATGCATCTT
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TTCCAAGTACTGTGCATGGCTGATGTTGTGATCTCAACAGCTAAGCATGAATCTTTGGAGTGGCAATG
TTGGAAGCTGTGTACTGTGGGTGTACCCACTTTGTCCTAAAGATTTGGTTTATCCCGAAATATTTCCA
GCTGAATATCTGTATTCTACACCTGAACAGCTTTCAAAAAGGCTCCAGAATTTCTGCAAGAGACCAGAT
ATTATAAGAAAACATCTCTATAAGGGTGAATCGCTCCGTTTTCTTGGGCAGCCCTACATGGTAAATTC
AGGTCTCTGCTTACAACAGAACCTAGGGAAGATTTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238155
 Blue=ORF Red=Cloning site Green=Tag(s)

MLTLHVWIWFGFMPCPNLMQNYNHQCCRTLFASSVLNLTELAALRPDLGKLLKILYFHENQLIYPVKKC
 QERDFQYGYNQILSCLVADVVFVNSVFNMESFLTSMGKFMKLI PDHRPKDLESIIRPKCQVIYFPIRFP
 DVSRFMPKHKTTHLKKMLGLKGNNGAVLSMALPFQPEQRDSEDLKKNFNSECDTHCGLDTARQEYLGNS
 LRQESDLKKSTSSDNSSSHHGKQNLTVDPDILGGVDNQQRLLHIWPHRWEHDKDPESFFKVLMLHL
 KDLGLNFHVSVLGETFTDVPDIFSEAKKALGSSVLHWGYLPSKDDYFQVLCMADVVI STAKHEFFGVAM
 LEAVYCGCYPLCPKDLVYPEIFPAEYLSTPEQLSKRLQNFCKRPDIIRKHLKGEIAPFSWAALHGKF
 RSLLTTEPREDL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001284238

ORF Size: 1278 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](#)

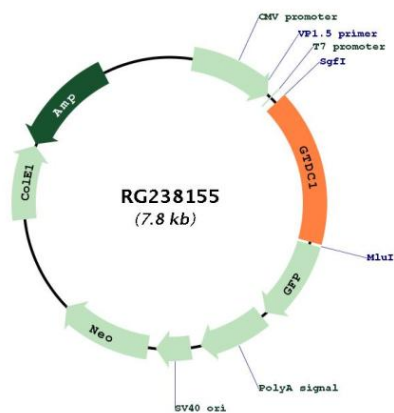
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001284238.3](#)

RefSeq Size: 2906 bp
 RefSeq ORF: 1281 bp
 Locus ID: 79712
 UniProt ID: [Q4AE62](#)
 Cytogenetics: 2q22.3
 MW: 49.5 kDa

Product images:



Circular map for RG238155