

Product datasheet for **RC237838**

GTDC1 (NM_001284233) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GTDC1 (NM_001284233) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GTDC1
Synonyms: Hmat-Xa; mat-Xa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237838 representing NM_001284233
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTATCCTCATCATTGAAGCATTCTATGGAGGCTCCCATAAACAGCTGGTGGATCTTCTTCAAGAAG
AGTTAGGAGACTGTGTCGTTTATACCCTCCTGCAAAGAAATGGCATTGGAGAGCCCGGACATCTGCTTT
ATATTTCTCTCAGACCATTCCCATCAGTGAGCATTACAGGACCCTCTTTGCAAGTTCAGTGCTTAACCTG
ACCGAACTGGCTGCCCTTCGGCCTGACCTTGGGAACTGAAAAAGATTCTGTATTTTCACGAGAACCAGT
TGATATATCCTGTCAAGAAATGTCAGGAGAGGGATTTCCAATATGGATACAACCAAAATCTTTCATGCC
GGTGGCTGATGTGGTTGTATTCAACTCAGTTTTTAATATGGAATCATTCTCACTTCCATGGGAAAAATTT
ATGAAGCTGATTCCTGATCACAGACCCAAGGATCTGGAAGCATCATCAGACCCAAGTGCCAAGTTATTT
ACTTTCCCATCAGGTTTCCTGATGTGAGCAGATTATGCCAAGCACAAAAACAACCCATTTAAAGAAGAT
GCTCGGCCTTAAAGGAAATGGCGGTGCGGTTCTGTCCATGGCCCTTCCTTTTCAGCCAGAGCAGAGAGAT
TCAGAGGATTTATTGAAGAATTTAATTCAGAGTGTGATACACACTGTGGCCTTGATACTGCACGACAAG
AATATTTGGGTAACCTATTAAGACAGGAATCAGACTTGAAAAAATCCACCTCGTCAGATAATTCAGCTC
TCATCATGGTGAAAAATAACAAAATCTGACTGTTGATCCCTGTGACATTTTGGGTGGAGTTGATAATCAG
CAAAGACTGCTACACATTGTCTGGCCTCACAGGTGGGAGCATGATAAAGATCCAGAAAGCTTTTTAAGG
TATTAATGCATCTTAAAGACTTAGGACTCAATTTCCACGTGTCTGTACTTGGAGAAACCTTCACAGATGT
CCCAGGTTGGAAGCTGTGACTGTGGGTGTACCCTTTGTCCTAAAGATTTGGTTTATCCCGAAATAT
TTCCAGCTGAATATCTGTATTCTACACCTGAACAGCTTTCAAAAAGGCTCCAGAATTTCTGCAAGAGACC
AGATATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237838 representing NM_001284233
 Red=Cloning site Green=Tags(s)

MSILIEAFYGGSHKQLVDLLQEELGDCVVYTLPAKKWHWRARTSALYFSQTIPISEHYRTLFASSVLNL
 TELAALRPDLGKLLKILYFHENQLIYPVKKCQERDFQYGYNQILSCLVADVVFVNSVFNMESFLTSMGKF
 MKLIPDHRPKDLESIIRPKCQVIYFPIRFPDVSFRFMPKHKHTHLKMKLGLKGNNGAVLSMALPFQPEQRD
 SEDLLKNFNSECDTHCGLD TARQEYLGNSLRQESDLKKSTSSDNSSSHHGENKQNLTVDPDILGGVDNQ
 QRLLHIWPHRWEHDKDPESFFKVLMLKDLGLNFHVSVLGETFTDVPGWKLCVGVTHFV LKIWFIPKY
 FQLNICILHLNSFQKGSRISARDQIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

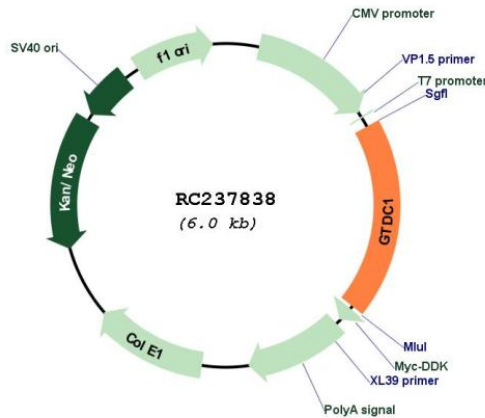
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
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