

Product datasheet for **RC237241**

GTDC1 (NM_001284235) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTDC1 (NM_001284235) 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:	>RC237241 representing NM_001284235 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTATCCTCATCATTGAAGCATTCTATGGAGGCTCCCATAAACAGCTGGTGGATCTTCTTCAAGAAG
AGTTAGGAGACTGTGTCGTTTATACCTTCCTGCAAAGAAATGGCATTGGAGAGCCCGGACATCTGCTTT
ATATTTCTCTCAGACCATTCCCATCAGTGAGCATTACAGGACCCTCTTTGCAAGTTCAGTGCTTAACCTG
ACCGAACTGGCTGCCCTTCGGCCTGACCTTGGGAACTGAAAAAGATTCTGTATTTTCACGAGAACCAGT
TGATATATCCTGTCAAGAAATGTCAGGAGAGGGATTTCCAATATGGATACAACCAAAATCTTTCATGCC
GGTGGCTGATGTGGTTGTATTCAACTCAGTTTTTAATATGGAATCATTCTCACTTCCATGGGAAAAATTT
ATGAAGCTGATTCCTGATCACAGACCCAAGGATCTGGAAGCATCATCAGACCCAAGTGCCAAGTTATTT
ACTTTCCCATCAGGTTTCCTGATGTGAGCAGATTATGCCCAAGCACAAAACAACCCATTTAAAGAAGAT
GCTCGGCCTTAAAGGAAATGGCGGTGCGGTTCTGTCCATGGCCCTTCCTTTTCAGCCAGAGCAGAGAGAT
TCAGAGGATTTATTGAAGAATTTAATTCAGAGTGTGATACACACTGTGGCCTTGATACTGCACGACAAG
AATATTTGGGTAACCTATTAAGACAGGAATCAGACTTGAAAAAATCCACCTCGTCAGATAATTCAGCTC
TCATCATGGTGAAAAATAACAAAATCTGACTGTTGATCCCTGTGACATTTGGGTGGAGTTGATAATCAG
CAAAGACTGCTACACATTGTCTGGCCTCACAGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237241 representing NM_001284235
 Red=Cloning site Green=Tags(s)

MSILIEAFYGGSHKQLVDLLQEELGDCVVYTLPAKKWHWRARTSALYFSQTIPISEHYRTLFASSVLNL
 TELAALRPDLGKLLKILYFHENQLIYPVKKCQERDFQYGYNQILSCLVADVVFVNSVFNMESFLTSMGKF
 MKLIPDHRPKDLESIIRPKCQVIYFPIRFPDVSRFMPKHKHTHLKMLGLKNGGAVLSMALPFQPEQRD
 SEDLLKNFNSECDTHCGLD TARQEYLGNSLRQESDLKSTSSDNSSSHHGENKQNLTVDPDILGGVDNQ
 QRLLHIWPHRW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

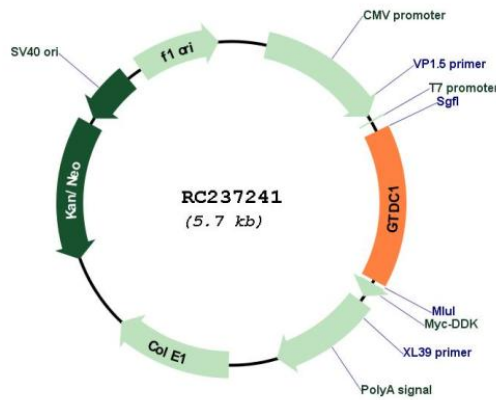
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284235

ORF Size: 876 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_001284235.2
RefSeq Size:	2565 bp
RefSeq ORF:	879 bp
Locus ID:	79712
UniProt ID:	Q4AE62
Cytogenetics:	2q22.3
MW:	34 kDa