

## Product datasheet for SC301097

### GTDC1 (NM\_001006636) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GTDC1 (NM_001006636) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTDC1
Synonyms:	Hmat-Xa; mat-Xa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301097 representing NM_001006636. Blue=Insert sequence Red=Cloning site Green=Tag(s)

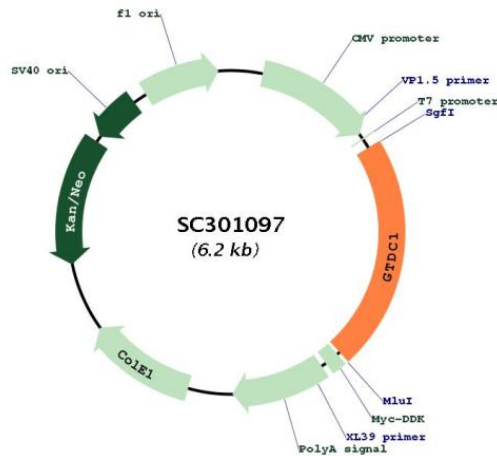
```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTATCCTCATCATTGAAGCATTCTATGGAGGCTCCCATAAACAGCTGGTGGATCTTCTTCAAGAA
GAGTTAGGAGACTGTGTCGTTTATACCCTTCTGCAAAGAAATGGCATTGGAGAGCCCGGACATCTGCT
TTATATTTCTCTCAGACCATTCCCATCAGTGAGCATTACAGGACCCTCTTGCAAGTTTCAGTGCTTAAC
CTGACCGAACTGGCTGCCCTTCGGCCTGACCTGGGAACTGAAAAAGATTCTGTATTTTCAGGAGAAC
CAGTTGATATATCCTGTCAAGAAATGTCAGGAGAGGGATTTCCAATATGGATAACAACCAATTTCTTCA
TGCTGGTGGCTGATGTGGTTGTATTCAACTCAGTTTTTAATATGGAATCATTCTCACTTCCATGGGA
AAATTTATGAAGCTGATTCTGTACAGACCCAAGGATCTGGAAAGCATCATCAGACCCAAGTGCCAA
GTTATTTACTTTCCCATCAGTTTCTGTGTGAGCAGATTCATGCCCAAGCACAAAACAACCCATTTA
AAGAAGATGCTCGGCCTTAAAGGAAATGGCGGTGCGGTTCTGTCCATGGCCCTTCTTTTCAGCCAGAG
CAGAGAGATTCAGAGGATTTATTGAAGAATTTAATTCAGAGTGTGATACACACTGTGGCCTTGACT
GCACGACAAGAATATTTGGGTAACCTAATGACAGGAATCAGACTTGAAAAATCCACCTGTGAT
AATTCAGCTCTCATCATGGTAAAATAAACAATACTGACTGTTGATCCCTGTGACATTTGGGTGGA
GTTGATAATCAGCAAAGACTGTACACATTGTCTGGCCTCACAGGTGGGAGCATGATAAAGATCCAGAA
AGCTTTTAAAGTATTAATGCATCTTAAAGACTTAGGACTCAATTTCCAGTGTCTGTACTTGGAGAA
ACCTTCACAGATGCCAGATATTTTTTTCAGAGGCCAAAAGGCATTGGGATCTTCTGTCTTACACTGG
GGTACTTACCCAGCAAAGATGACTATTTCCAAGTACTGTGCATGGCTGATGTTGTCATCTCAACAGCT
AAGCATGAATCTTTGGAGTGGCAATGTTGGAAGCTGTGTACTGTGGGTGTACCCACTTTGTCTAAA
GATTTGGTTTATCCCGAAATATTTCCAGCTGAATATCTGTATTCTACACCTGAACAGCTTTCAAAAAGG
CTCCAGAAATTTCTGCAAGAGACCAGATATTATAAGAAAACATCTCTATAAGGGTGAATCGCTCCGTTT
TCTTGGGAGCCCTACATGGTAAATTCAGGTCTCTGCTTACAACAGAACCTAGGGAAGATTTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```



[View online »](#)

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001006636

**Insert Size:** 1377 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:**

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\\_001006636.3](#)

**RefSeq Size:** 2707 bp

**RefSeq ORF:** 1377 bp

**Locus ID:** 79712

**UniProt ID:** [Q4AE62](#)

Cytogenetics: 2q22.3

MW: 52.6 kDa