

Product datasheet for **SC112099**

GTDC1 (NM_024659) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GTDC1 (NM_024659) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GTDC1 |
| Synonyms: | Hmat-Xa; mat-Xa |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_024659, the custom clone sequence may differ by one or more nucleotides |

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ATGAGTATCCTCATCATTGAAGCATTCTATGGAGGCTCCCATAAACAGCTGGTGGATCTTCTTCAAGAAG
AGTTAGGAGACTGTGTCGTTTATACCTTCCTGCAAAGAAATGGCATTGGAGAGCCCGGACATCTGCTTT
ATATTTCTCTCAGACCATTCCCATCAGTGAGCATTACAGGACCCTCTTTGCAAGTTCAGTGCTTAACCTG
ACCGAACTGGCTGCCCTTCGGCCTGACCTGGGAAACTGAAAAAGATTCTGTATTTTACGAGAACCAGT
TGATATATCCTGTCAAGAAATGTCAGGAGAGGGATTTCCAATATGGATACAACCAAATCTTTTCATGCCT
GGTGGCTGATGTGGTTGATTCAACTCAGTTTTAATATGGAATCATTCTCACTTCCATGGGAAAATTT
ATGAAGCTGATTCCTGATCACAGACCCAAGGATCTGAAAAGCATCATCAGACCCAAGTGCCAAGTTATTT
ACTTTCCCATCAGTTTTCTGATGTGAGCAGATTCATGCCAAGCACAAAACAACCCATTTAAAGAAGAT
GCTCGGCCTTAAAGGAAATGGCGGTGCGGTTCTGTCCATGGCCCTTCTTTTTAGCCAGAGCAGAGAGAT
TCAGAGGATTTATTGAAGAATTTAATTCAGAGTGTGATACACACTGTGGCCTTGATACTGCACGACAAG
AATATTTGGGTAACCTATTAAGACAGGAATCAGACTTGAAAAATCCACCTCGTCAGATAATTCAGCTC
TCATCATGGTGAAAAATAACAAATCTGACTGTTGATCCCTGTGACATTTGGGTGGAGTTGATAATCAG
CAAAGACTGTACACATTGTCTGGCCTCACAGGTGGTTGGAAGCTGTGTACTGTGGGTGTACCCACTTT
GTCCTAAAGATTTGGTTTATCCCGAAATATTTCCAGCTGAATATCTGTATTCTACACCTGAACAGCTTTC
AAAAAGGCTCCAGAATTTCTGCAAGAGACCAGATATTATAAGAAAACATCTCTATAAGGGTGAAATCGCT
CGGTTTTCTTGGGCAGCCCTACATGGTAAATTCAGGTCTCTGCTTACAACAGAACCTAGGGAAGATTTGT
GA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024659 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGACTGTGTCGT
 TTATACCCCTTCCTGCAAAGAAAGGCATTGGAGAGCCCGGACATCTGCTTTATATTTCTCT
 CAGACCATTCCCATCAGTGAGCATTACAGGACCCTCTTTGCAAGTTCAGTGCTTAACCTG
 ACCGAACTGGCTGCCCTTCGGCCTGACCTTGGGAACTGAAAAAGATTCTGTATTTTCAC
 GAGAACCAGTTGATATATCCTGTCAAGAAATGTCAGGAGAGGGATTCCAATATGGATAC
 AACCAAATTCCTTCATGCCTGGTGGCTGATGTGGTTGTATTCAACTCAGTTTTTAATATG
 GAATCATTCTCACTCCATGGGAAAATTTATGAAGCTGATTCCTGATCACAGACCCAAG
 GATCTGGAAAGCATCATCAGACCCAAGTCCCAAGTTATTTACTTTCCCATCAGGTTTCCT
 GATGTGAGCAGATTTCATGCCAAGCACAAAACAACCCATTTAAAGAAGATGCTCGGCCTT
 AAAGGAAATGGCGGTGACGGTTCGTCCATGGCCCTTCCTTTTACGACAGAGCAGAGAGA
 TTCAGAGGATTTATTGAAGAATTTAATTCAGAGTGTGATACACACTGTGGCCTTGATAC
 TGCACGACAAGAATATTNTGGGTAACCTATTAAGACAGGAATCAGACTTGAAAAATCCA
 CCTCGTCAGATAATTAANATAAACAATCTGACTGTTGATCCCTGGACATTNNTGGTGGN
 NAGTGATAATCAGCANAGACTGCTACACATTGTCTGCCTCACAGGTGNGAGCATGAATAA
 GATCCAGAAGCTNTNTTAAGGGTATAATGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024659 unedited
 GGTATCAAACGGACTATTCTGAGCCATTACGAAACATCTTTACATCAACAAACACAGCG
 GTTTGACTATTGAAAGATAAGCGATTTATCTTGAAAAGTTATATTGGTGTGTGGATGCAA
 GTATGATTGGAGAAATATTTCTATCAAATCACTGGGTTTGTAGGAGTATTTTCGATTCT
 TCTATTTTACGCTGGGAAAAAATTAAGCAAGTCTGCACCGTCCATTTTATGGGATA
 GTTGGCTTCACTGTGTTTGCATGTATGTACGAATTACAGTTGTTAATCTTGCAACTCTA
 AGATCAATCTAATGCAAATGGCACTCTGTGAATTATGGCAATACCTGCTATACCTCTTTT
 TAATACCTTTTACTTTTAACTCCCTGTGCCTGACACTCATATATCCGCTATCACAAAAT
 CGCTTTATCATCCCTTTGTCCCCTCACTCTCCCTGCTACGGCTTGCCTATCCTATTCCA
 TATCCCCTCTGTTTCTTTTATTCATGCCCTTATGTTTCTACCGCAGACCATTTTATGCC
 ATCTCATTCTACTCTCTCTTCTACGCTCTCAATTCTCTTTCCATTGTTTTTCGCACAT
 TTTCTCTTATTTCTCTAGTCTTCTTTCTTCTCATTACTCCAACCATTTTTNGCTCCC
 TTGTTTTCTTTCTCTATACGATCTTTCTTCTGTCTTCACTCGCCCTCTATACTTTT
 TGTTCATGCTTACTTGTCTTCTTCCAGTCTGGTCATCTCTATAACGACCTCCTTG
 TTCGTGATTGTACACAATTCCATTACCTTGTGATTATTTCTTACCATCTCATCATCCT
 TGTTTATCATTCTCTGACAACTTCTCCCTTTATCCTTACCCCGTCCGTCGACTTCGCC
 TATGCCGCTCCCTTCTCTACTCTCGTCCATNCTTTATTTGATTCTTTTTTTATCATGT
 ACACCTAGTCACTTCCCCTCTGCATCTATTCCCTACTATTCATCTCTCGTTTGTTTTTCT
 TTCGCCACCCTCGTTACTTCTTCTGTTCCCCCATTTGTTCTTATAACCACCGTCTTCTCT
 CCTCCTTCCCACATCTATCTCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_024659

Insert Size:

2400 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).

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_024659.1](#), [NP_078935.1](#)

RefSeq Size: 2419 bp

RefSeq ORF: 819 bp

Locus ID: 79712

UniProt ID: [Q4AE62](#)

Cytogenetics: 2q22.3