

Product datasheet for **SC113126**

TEM1 (CD248) (NM_020404) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TEM1 (CD248) (NM_020404) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TEM1 |
| Synonyms: | CD164L1; TEM1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_020404, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCTGCGCCTGTTGCTGGCCTGGGCGGCCGAGGGCCACACTGGGCCAGGACCCCTGGGCTGCTG
AGCCCCGTGCCGCTGCGGCCCCAGCAGCTGCTACGCTCTCTTCCCACGGCGCCGACCTTCTGGAGGC
CTGGCGGGCCTGCCGCGAGCTGGGGGGCGACCTGGCCACTCCTCGGACCCCGAGGAGGCCAGCGTGTG
GACAGCCTGGTGGGTGCGGGCCAGCCAGCCGGCTGCTGTGGATCGGGCTGCAGCGGCAGGCCCGCAAT
GCCAGCTGCAGCGCCACTGCGCGGCTTACGTGGACCACAGGGACCAGGACACGGCTTTCACCAACTG
GGCCAGCCAGCCTCTGGAGGCCCTGCCCGGCCAGCGCTGTGTGGCCCTGGAGGCAAGTGGCGAGCAC
CGTGGCTGGAGGGCTCGTGACGCTGGCTGTGACGGCTACCTGTGCCAGTTTGGCTTCGAGGGCGCCT
GCCCGGCGCTGCAAGATGAGGCGGGCCAGGCCGGCCAGCCGTGTATACCACGCCCTTCCACTGGTCTC
CACAGAGTTTGTGGCTGCCCTTCGGCTCTGTGGCCGCTGTGCAGTGCCAGGCTGGCAGGGGAGCCTCT
CTGCTCTGCGTGAAGCAGCCTGAGGGAGGTGTGGGCTGGTACGGGCTGGGCCCTGTGCCTGGGACTG
GCTGCAGCCCTGACAACGGGGCTGCGAACACGAATGTGTGGAGGAGGTGGATGGTACGCTGCTGCCG
CTGCACTGAGGGCTTCCGGCTGGCAGCAGACGGGCGCAGTTGCGAGGACCCTGTGCCAGGCTCCGTGC
GAGCAGCAGTGTGAGCCCGTGGGCCACAGGCTACAGCTGCCACTGTCCCTGGGTTTCCGGCCAGCGG
AGGATGATCCGCACCGCTGTGTGGACACAGATGAGTGCCAGATTGCCGGTGTGTGCCAGCAGATGTGTG
CAACTACGTTGGTGGCTTCGAGTGTATTGTAGCGAGGGACATGAGCTGGAGGCTGATGGCATCAGCTGC
AGCCCTGCAGGGGCCATGGGTGCCAGGCTTCCAGGACCTCGGAGATGAGTTGCTGGATGACGGGGAGG
ATGAGGAAGATGAAGACGAGGCCGGAAGGCCCTCAACGGTGGCTGGACGGAGATGCCTGGGATCCTGTG
GATGGAGCCTACGCAGCCGCTGACTTTGCCCTGGCCTATAGACCGAGCTTCCAGAGGACAGAGAGCCA
CAGATACCTACCCGGAGCCCACCTGGCCACCCCGCTCAGTGCCCCAGGGTCCCCTACCACTCCTCAG
TGCTCTCCGTACCCGGCCTGTGGTGGTCTGTGCCACGCATCCACACTGCCTTCTGCCACCAGCCTCC
TGTGATCCCTGCCACACACCCAGCTTGTCCCGTGACCACCAGATCCCGTGATCGCAGCCAATATCCA
GATCTGCCTTCTGCCTACCAACCCGGTATTCTCTCTGTCTCTCATTACGACACAGCCTCCTGCCACCAGC
CCCCTATGATCTCAACCAAAATACCGGAGCTTCCCTGCCACCAGTCCCCATGTTTCCAGACACCCG
GGTCGCTGGCACCAGACCACCACTCATTTCCTGGAATCCACCTAACCATGCCCTCTGGTACCACC
CTCGGTGCCAGTACCCCTCAAGCCCCAGATGCCCTGTCTCAGAACCCAGGCCACCCAGCTTCCCA
TTATCCCAACTGCCAGCCCTCTCTGACCACCCTCCAGGTCCCCTGTGTCTCCTGCCATCAAATCTC
TGTGCCTGCTGCCACCCAGCCCGCAGCCCTCCCCACCCTCCTGCCCTCTCAGAGCCCCTAACCCAGACC
TACCCATCAGCCCTACACATCCCAATCCAAAGCCCCCAAATCCCAAGGGAAGATGGCCCCAGTCCCA
AGTTGGCCCTGTGGCTGCCCTACCAGCTCCACAGCAGCCCCAACAGCCCTGGGGGAGGCTGGTCTTGC
CGAGCACAGCCAGAGGGATGACCGGTGGCTGCTGGTGGCACTCCTGGTGCCAACGTGTGTCTTTTGGT
GTCCTGCTTGGACTGGGCATCGTGTACTGCACCCGCTGTGGCCCCATGCACCCAACAAGCGCATCACTG
ACTGCTATCGTGGGTATCCATGCTGGGAGCAAGAGCCCAACAGAACCCATGCCCCCCAGGGGCAGCCT
CACAGGGGTGCAGACCTGCAGAACCAGCGTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020404 unedited
 CGTCCAATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGGGCATCGCGA
 TGCTGCTGCGCCTGTTGCTGGCCTGGGCGGCCGACGGGCCCACTGGGCCAGGACCCCT
 GGGCTGCTGAGCCCCGTGCCCTGCGGCCACAGCAGTGTACGCTCTTTCCACGGC
 GCCGCACCTTCTGGAGGCTGGCGGCCCTGCCGCGAGCTGGGGGGGACCTGGCCACTC
 CTCGGACCCCCGAGGAGGCCAGCGTGTGGACAGCCTGGTGGTGCGGGCCAGCCAGCC
 GGCTGCTGGATCGGGCTGCAGCGGCAGGCCCGGCAATGCCAGTGCAGCGCCACTGC
 GCGGCTTCACGTGGACCACAGGGGACCAGGACACGGCTTTCACCAACTGGGCCAGCCAG
 CCTCTGGAGGCCCTGCCCGGCCAGCGCTGTGTGGCCCTGGAGGCAAGTGGCGAGCACC
 GCTGGCTGGAGGGCTCGTGCACGCTGGCTGTGACGGCTACCTGTGCCAGTTTGTNTTTC
 AAGGGCGCTGCCCGGCGCTGCAAGATGAATGCGGGCCAGGCCGGCCAGCCGTGTATAC
 CACGCCCTTCCACTGGTCTCCACAGAGTTTTGAGTGGCTGCCCTTCGGCTCTGTGGCCG
 CTGTGCAGTGCCAGGCTGGCAGGGGAGCCTCTCTGCTCTGCGTGAAGCACCTGAGGGAAG
 TGTGGGGTGGTACGGGCTGGGCCCTGTGCCTGGGACTGGCTGCAGCCCTGACATGG
 GGGGCTGCGAACACATGTGTGGAGAANGNNGAAGGNACACTGTCTGGCGCTGCACTGG
 AGGCTTCCGGCTGCCACCAACGGGCGCAATTGCGAGGACCCCTGTGCCAGCTCCGTGC
 GAGCACAATGTGAGCCCCGGGGGCCACAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020404 unedited
 NGGGCAAAAAACANTTATAATNACGGTTTACTTGNACCCGGCCGATACTANGATCGG
 TTTGGGAAGGGTGACACCCATTATT
 GGGAAAAAACCCCAACCCGCCCTGAGGGCTTAAGGGCTTTGGGGTATCCTTGGGCA
 CCAACGCTGGGCCACGAAACAAAATTCCTGAAAGCCAAATCTAATGGTTGAAAAAGACC
 CTGGCTGGGCTGGGGAACAAGAAACCATTTGTCCAAGTGGGAACCCCATGGGTCCCT
 GGTGCAACCCCGCCATGTGTTACGCGCCCACTTTCATGAGGGGGGGTGCACCCCAT
 CACACGCTGGTTCGAGGTCTGCACCCCTGTGAGGCTGCCCTGGGGGGCATGGGTCT
 GTTGGGCTCTTGCTCCAGCATGGATGACCAACCATAGCCAGTCAGTATGCGCTTGT
 GGGTGATGGGGGCCACAACGGGTGCAATACACGATGCCAGTGAAGCAGGACCACCAA
 AAAGAACAGTTGGCACAAGAGTGCCACCAGCAGCCACCGGCCATACCTTTTGTGTGC
 TCCGAAAAGGACAACCTCCCCCAAGGCTGTTGGGGCTGCTGTGGAACTTGTGAGGGCAC
 CCACAGGCCCACTTGGGACTGGGGCCATTTTCTTTGGAATTTGGGGCCTTCGAAAG
 GGGATTTTAAGGCCTAATGGTGAAGGCTTGGTAAGGGGCTCTTAAAAGGCAAAAGGGT
 GGGAAAGGTCTCCGGCTTGGTGGCACCCGGCCCAAAATTGAGGGCAGGAAAAACAAGGA
 ACCTTGAGGGGGGTCAAAAAAGGCTGGCCAATTGGGAAAAAGAAAATCTGGGGGCCCCG
 GTTTTTAAGAACAAGGCCATTTGGGCTTGGGGGTATCTGGCCCCCGGGTGGGACAC
 AAAGGCTGGTAAGGGGAATCCAGCCAAGAAAGGGTGGCTGGGGGCCN

Restriction Sites:

NotI-NotI

ACCN:

NM_020404

Insert Size:

2600 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_020404.2](#), [NP_065137.1](#)

RefSeq Size: 2576 bp

RefSeq ORF: 2274 bp

Locus ID: 57124

UniProt ID: [Q9HCU0](#)

Cytogenetics: 11q13.2

Domains: CLECT, EGF_CA, EGF, EGF

Protein Families: Druggable Genome, Transmembrane

Gene Summary: May play a role in tumor angiogenesis.[UniProtKB/Swiss-Prot Function]