

## Product datasheet for **SC202313**

### TEM8 (ANTXR1) (NM\_053034) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** TEM8 (ANTXR1) (NM\_053034) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ANTXR1  
**Synonyms:** ATR; GAPO; TEM8  
**ACCN:** NM\_053034  
**Insert Size:** 234 bp  
**Insert Sequence:** >SC202313 3'UTR clone of NM\_053034  
 The sequence shown below is from the reference sequence of NM\_053034. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGGAGAGTGAGGAAAAATAAAATAAAACAAGAAGAAGAAAGAAATCCACAGAAACAGATAA
CCTAACACAGCCCGTGCAACGTATTTTATACAATGCTCTGAAAAATCATAGTCTCAATCTAGACAGTCTT
TTCCTCTAGTTCCCTGTATTCAAATCCAGTGTCTAACATTCAATAAATAGCTATATGAAATCAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_053034.2](#)



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**Summary:**

This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq, Oct 2008]

**Locus ID:**

84168

**MW:**

9.5