

Product datasheet for **SC308755**

TEM8 (ANTXR1) (NM_032208) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEM8 (ANTXR1) (NM_032208) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEM8
Synonyms:	ATR; GAPO; TEM8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032208 edited
 ATGGCCACGGCGGAGCGGAGGCCCTCGGCATCGGCTTCCAGTGGCTCTCTTTGGCCACT
 CTGGTGCTCATCTGCGCCGGCAAGGGGACGCAGGGAGGATGGGGTCCAGCCTGCTAC
 GGCGGATTTGACCTGTACTTCATTTTGGACAAATCAGGAAGTGTGCTGCACCACTGGAAT
 GAAATCTATTACTTTGTGGAACAGTTGGCTCACAATTCATCAGCCCACAGTTGAGAATG
 TCCTTTATTGTTTTCTCCACCCGAGGAACAACCTTAATGAAACTGACAGAAGACAGAGAA
 CAAATCCGTCAAGGCCTAGAAGAACTCCAGAAAGTTCTGCCAGGAGGACACTTACATG
 CATGAAGGATTTGAAAGGGCCAGTGAGCAGATTTATTATGAAAACAGACAAGGGTACAGG
 ACAGCCAGCGTCATCATTGCTTTGACTGATGGAGAACTCCATGAAGATCTCTTTTTCTAT
 TCAGAGAGGGAGGCTAATAGGTCTCGAGATCTTGGTGCAATTGTTACTGTGTTGGTGTG
 AAAGATTTCAATGAGACACAGCTGGCCCGATTGCGGACAGTAAGGATCATGTGTTTCCC
 GTGAATGACGGCTTTAGGCTCTGCAAGGCATCATCCACTCAATTTGAGAAGTCTGC
 ATCGAAATCTAGCAGCTGAACCATCCACCATATGTGCAGGAGAGTCATTTCAAGTTGTC
 GTGAGAGGAAACGGCTTCCGACATGCCCGCAACGTGGACAGGGTCTCTGCAGCTTCAAG
 ATCAATGACTCGTCCACTCAATGAGAAGCCCTTTTCTGTGGAAGATACTTATTTACTG
 TGTCAGCGCCTATCTTAAAAGAAGTTGGCATGAAAGCTGCACTCCAGGTCAGCATGAAC
 GATGGCCTCTCTTTATCTCCAGTTCTGTATCATCACCACCACACTGTTCTGACGGT
 TCCATCTGGCCATCGCCCTGCTGATCCTGTTCTGCTCCTAGCCCTGGCTCTCCTCTGG
 TGGTTCTGGCCCTCTGCTGCACTGTGATTATCAAGGAGGTCCCTCCACCCCTGCCGAG
 GAGAGTGAGGAAGAAGATGATGATGGTCTGCCTAAGAAAAGTGGCCAACGGTAGACGCC
 TCTTATTATGGTGGGAGAGGCGTTGGAGGCATTAAGAAGTGGAGTTTCGTTGGGGAGAA
 AAGGGCTCCACAGAAGAAGGTGCTAAGTTGGAAAAGGCAAGAATGCAAGAGTCAAGATG
 CCGGAGCAGGAATATGAATCCCTGAGCCGCAAAATCTCAACAACAATATGCGTCGGCCT
 TCTTCCCCCGGAAGTGGTACTCTCCAATCAAGGGAAAACCTCGATGCCTTGTGGTCTTA
 CTGAGGAAAGGATATGATCGTGTCTGTGATGCGTCCACAGCCAGGAGACACGGGGCGC
 TGCATCAACTTACCAGGGTCAAGAACAACCAGCCAGCCAAGTACCCACTCAACAACGCC
 TACCACACCTCTCGCCGCTCTGCCCCATCTACACTCCCCACCTCTGCGCCCCAC
 TGCCCTCCCCCGCCCCAGCGCCCTACCCCTCCCATCCCGTCCCCACCTTCCACCCTT
 CCCCCTCTCCCCAGGCTCCACCTCCCAACAGGGCACCTCCTCCTCCCCCCTCTCCA
 AGGCCTTCTGTCTAGA

Restriction Sites: Please inquire

ACCN: NM_032208

Insert Size: 1800 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](#)

OTI Annotation:	It was fully sequenced and ORF matches with that of NM_032208.1.MG2771_G02 and G03 are also correct. Pool 10ug DNA for the customer.
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:	<u>NM_032208.1</u> , <u>NP_115584.1</u>
RefSeq Size:	5540 bp
RefSeq ORF:	1695 bp
Locus ID:	84168
UniProt ID:	<u>Q9H6X2</u>
Cytogenetics:	2p13.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and it encodes the longest protein (isoform 1).</p>