

## Product datasheet for RC218473L3V

## OriGene Technologies, Inc.

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## TEM8 (ANTXR1) (NM 053034) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** TEM8 (ANTXR1) (NM\_053034) Human Tagged ORF Clone Lentiviral Particle

Symbol: TEM8

**Synonyms:** ATR; GAPO; TEM8

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK
ACCN: NM 053034

ORF Size: 1104 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC218473).

Sequence:
OTI Disclaimer:

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:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

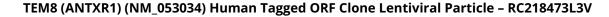
**RefSeq:** <u>NM 053034.1</u>

RefSeq Size: 1454 bp
RefSeq ORF: 1107 bp
Locus ID: 84168
UniProt ID: Q9H6X2
Cytogenetics: 2p13.3

Domains: VWA

**Protein Families:** Druggable Genome, Transmembrane





ORIGENE

MW: 38.3 kDa

**Gene 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]