

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP304112

### TEM8 (ANTXR1) (NM\_018153) Human Recombinant Protein

### **Product data:**

| Description:Recombinant protein of human anthrax toxin receptor 1 (ANTXR1), transcript variant 3, 20 μSpecies:Human   | g |
|---|---|
| Species: Human  | 0 |
|   |   |
| Expression Host: HEK293T  |   |
| Expression cDNA Clone>RC204112 protein sequenceor AA Sequence:Red=Cloning site Green=Tags(s)  |   |
| MATAERRALGIGFQWLSLATLVLICAGQGGRREDGGPACYGGFDLYFILDKSGSVLHHWNEIYYFVEQLA<br>HKFISPQLRMSFIVFSTRGTTLMKLTEDREQIRQGLEELQKVLPGGDTYMHEGFERASEQIYYENRQGYR<br>TASVIIALTDGELHEDLFFYSEREANRSRDLGAIVYCVGVKDFNETQLARIADSKDHVFPVNDGFQALQG<br>IIHSILKKSCIEILAAEPSTICAGESFQVVVRGNGFRHARNVDRVLCSFKINDSVTLNEKPFSVEDTYLL<br>CPAPILKEVGMKAALQVSMNDGLSFISSSVIITTTHCSLHKIASGPTTAACME |   |
| TRTRPLEQKLISEEDLAANDILDYKDDDDKV   |   |
| Tag: C-Myc/DDK  |   |
| Predicted MW: 34.2 kDa  |   |
| <b>Concentration:</b> >0.05 μg/μL as determined by microplate BCA method  |   |
| Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining   |   |
| Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |   |
| <b>Preparation:</b> Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |   |
| <b>Note:</b> For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   | e |
| Storage: Store at -80°C.  |   |
| Stability:Stable for 12 months from the date of receipt of the product under proper storage and<br>handling conditions. Avoid repeated freeze-thaw cycles.  |   |
| RefSeq: <u>NP_060623</u>  |   |
| •   |   |



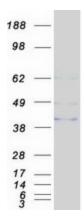
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

| TEM8 (ANTXR1) (NM_018153) Human Recombinant Protein – TP304112   |
|--|
| <u>Q9H6X2, Q96EC6</u>  |
| 2360   |
| 2p13.3   |
| 999  |
| ATR; GAPO; TEM8  |
| This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker<br>that has been implicated in colorectal cancer. The encoded protein has been shown to also be<br>a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease,<br>anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin,<br>to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once<br>inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor<br>(LF) disrupt normal cellular processes. Three alternatively spliced variants that encode<br>different protein isoforms have been described. [provided by RefSeq, Oct 2008] |
|  |

Protein Families:

Druggable Genome, Transmembrane

## **Product images:**



Coomassie blue staining of purified ANTXR1 protein (Cat# TP304112). The protein was produced from HEK293T cells transfected with ANTXR1 cDNA clone (Cat# [RC204112]) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US