

## 32-7764: Recombinant Human Anthrax Toxin Receptor 1/ANTXR1/TEM8 (C-6His)

**Gene :** ANTXR1  
**Gene ID :** 84168  
**Uniprot ID :** Q9H6X2

### Description

Source: Human Cells.  
MW :33.56kD.

Recombinant Human Anthrax Toxin Receptor 1 is produced by our Mammalian expression system and the target gene encoding Glu33-Lys321 is expressed with a 6His tag at the C-terminus. Anthrax Toxin Receptor 1 (ANTXR1) is a single-pass type I membrane protein that belongs to the ATR family. ANTXR1 contains one VWFA domain and binds PA through the VWA domain. ANTXR1 is highly expressed in tumor endothelial cells. ANTXR1 plays a role in cell attachment and migration. ANTXR1 interacts with extracellular matrix proteins and the actin cytoskeleton, it mediates adhesion of cells to type 1 collagen and gelatin, reorganization of the actin cytoskeleton and promotes cell spreading. It is also involved in the angiogenic response of cultured umbilical vein endothelial cells, up-regulated in cultured angiogenic umbilical vein endothelial cells. Defects in ANTXR1 are associated with susceptibility to hemangioma capillary infantile (HCI).

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EDGGPACYGGFDLYFILDKSGSVLHHWNEIYYFVEQLAHKFISPQLRMSFIVFSTRGTTLMKLTEDREQIRQGLE ELQKVLPGGDTYMHEGFERASEQIYYENRQGYRTASVIALTDGELHEDLFFYSEREANRSRDLGAIYCVGVKD FNETQLARIADSKDHVFPVNDGFQALQGIHHSILKKSCIEILAAEPSTICAGESFQVVVRNGFRHARNVDRVLCV FKINDSVTLNEKPFVSDTYLLCPAPILKEVGMKAALQVSMNDGLSFISVVIIITTHCSLHKVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.