



Recombinant Protein Technical Manual
Recombinant Human TEM8/ATR Protein (His Tag)
RPES1435

Product Data:

Product SKU: RPES1435

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9H6X2-4

Protein Information:

Molecular Mass: 33.6 kDa

AP Molecular Mass: 38 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Anthrax Toxin Receptor 1; Tumor Endothelial Marker 8; ANTXR1; ATR; TEM8

Immunogen Information:

Sequence: Glu33-Lys321

Background:

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).