

Anthrax Toxin Receptor 1 Recombinant Protein | ANTXR1 recombinant protein

Recombinant Human Anthrax Toxin Receptor 1 Protein

CATALOG #
AAA174583

HOST
HEK293 Cells

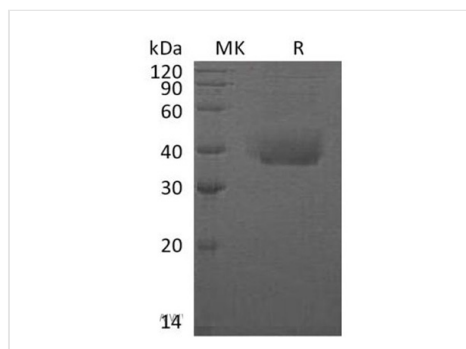
PRODUCT SYNONYMS

Anthrax Toxin Receptor 1; Recombinant Human Anthrax Toxin Receptor 1 Protein; Tumor Endothelial Marker 8; ANTXR1; ATR; TEM8; ANTXR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 mum filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Sequence	Glu33-Lys3 21
Sequence Length	333
Species	Human
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Sequence	Glu33-Lys321
Mol_Mass	33.56kDa
AP_Mol_Mass	35-45 kDa
Endotoxin	<1.0 EU per ug of the protein as determined by the LAL method.
Tag	C-6His
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20°C to -80°C. Reconstituted protein solution can be stored at 4°C to 8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ANTXR1 recombinant protein	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16933553
NCBI GeneID	84168
NCBI Accession #	NP_060623.2
NCBI GenBank Nucleotide #	NM_018153.3
UniProt Accession #	Q9H6X2; Q4ZFY6; Q53QD8; Q96P02; Q9NVP3; A8K7U8; J7K7G4; J7KF88
Molecular Weight	Molecular Mass: 33.6kDa Actual Protein Molecular Mass: 34-35kDa
NCBI Official Full Name	anthrax toxin receptor 1 isoform 3
NCBI Official Synonym Full Names	ANTXR cell adhesion molecule 1
NCBI Official Symbol	ANTXR1
NCBI Official Synonym Symbols	ATR; GAPO; TEM8
NCBI Protein Information	anthrax toxin receptor 1
UniProt Protein Name	Anthrax toxin receptor 1
UniProt Gene Name	ANTXR1
UniProt Synonym Gene Names	ATR; TEM8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.