Datasheet for ABIN7317254

ANTXR1 Protein (Fc Tag)

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Overview

Quantity:	50 µg
Target:	ANTXR1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANTXR1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human TEM8/ATR Protein (Fc Tag)
Sequence:	Met 1-Ser321
Characteristics:	A DNA sequence encoding the human ANTXR1 (Q9H6X2-4) (Met1-Ser321) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	ANTXR1
Alternative Name:	TEM8/ATR (ANTXR1 Products)
Background:	Background: ANTXR1 contains 1 VWFA domain and belongs to the ATR family. ATR (Ataxia telangiectasia and Rad3 related) and ATM (Ataxia telangiectasia mutated) are closely related kinases that are activated by DNA damage. They are serine-threonine protein kinases and

Target Details

	belongs to the phosphatidylinositol 3' kinase-like kinase (PIKK) family. Upon recruitment by the DNA damage binding proteins/complexes (ATRIP for ATR, MRN for ATM), ATM/ATR initiate the DNA damage checkpoint by phosphorylating a number of key proteins. ANTXR1 interacts with extracellular matrix proteins and with the actin cytoskeleton. It functions in cell attachment and migration. ANTXR1 also mediates adhesion of cells to type 1 collagen and gelatin, reorganization of the actin cytoskeleton and promotes cell spreading. It plays a role in the angiogenic response of cultured umbilical vein endothelial cells. Synonym: Anthrax Toxin Receptor 1, Tumor Endothelial Marker 8, ANTXR1, ATR, TEM8
Molecular Weight:	59.4 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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.

