

Recombinant Human ANTXR1, His-tagged

Cat. No. ANTXR1-38H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Anthrax Toxin Receptor 1/ANTXR1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu33-Ser321) of Human ANTXR1 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	33-321 a.a.
Description	<p>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).</p>
AA Sequence	EDGGPACYGGFDLYFILDKSGSVLHHWNEIYYFVEQLAHKFISPQLRMSFIVFSTRGT TLMKLTE DREQIRQGLEELQKVLPGGDTYMHEGFERASEQIYYENRQGYRTASVIIA

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LTDGELHEDLFFYSE REANRSRDLGAIIVYCVGVKDFNETQLARIADSKDHFVFPVND
 GFQALQGGIIHSILKKSCIEILAAE PSTICAGESFQVVVRGNGFRHARNVDRVLCSEFKIN
 DSVTLNEKPFSVEDTYLLCPAPILKEVGMK AALQVSMNDGLSFISSSVIITTTTHCSLH
 KVDHHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name [ANTXR1 anthrax toxin receptor 1 \[Homo sapiens \]](#)

Official Symbol ANTXR1

Synonyms ANTXR1; anthrax toxin receptor 1; anthrax toxin receptor; ATR; FLJ10601;
 FLJ21776; TEM8; tumor endothelial marker 8 precursor; 2310008J16Rik;
 2810405N18Rik; tumor endothelial marker 8; FLJ11298;

Gene ID [84168](#)

mRNA Refseq [NM_018153](#)

Protein Refseq [NP_060623](#)

MIM [606410](#)

UniProt ID [Q9H6X2](#)

Chromosome Location 2p13.1

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Pathway

Cellular roles of Anthrax toxin, organism-specific biosystem;

Function

actin filament binding; collagen binding; metal ion binding; protein binding; receptor activity; transmembrane signaling receptor activity;

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