

Recombinant Human ANT XR1, His-tagged

Cat. No. ANT XR1-38H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Anthrax Toxin Receptor 1/ANT XR1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu33-Ser321) of Human ANT XR1 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	33-321 a.a.
Description	Anthrax Toxin Receptor 1 (ANT XR1) is a single-pass type I membrane protein that belongs to the ATR family. ANT XR1 contains one VWFA domain and binds PA through the VWA domain. ANT XR1 is highly expressed in tumor endothelial cells. ANT XR1 plays a role in cell attachment and migration. ANT XR1 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 ANT XR1 are associated with susceptibility to hemangioma capillary infantile (HCI).
AA Sequence	EDGGPACYGGFDLYFILDKSGSVLHHWNEIYYFVEQLAHKFISPQLRMSFIVFSTRGT TLMKLTE DREQIRQGLEELQKVLPGGDTYMHEGFERASEQIYYENRQGYRTASVIIA

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LTDGELHEDLFFYSE REANRSRDLGAIVYCVGVKDFNETQLARIADSKDHVFPVND
 GFQALQGIIHSILKKSCIEILAAE PSTICAGESFQVVVRGNGFRHARNVDRVLCSEKIN
 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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