

Recombinant Full Length Human ANT XR1 Protein, GST-tagged

Cat. No. ANT XR1-1475HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANT XR1 full-length ORF (NP_444262.1, 1 a.a. - 368 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	368 amino acids
Description	This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq, Oct 2008]
Molecular Mass	67.6 kDa
AA Sequence	MATAERRALG IGFQWLSLAT LVLICAGQGG RREDGGPACY GGFDLYFILD KSGSVLHHWN EIYYFVEQLA HKFISPQLRM SFIVFSTRGT TLMKLTEDRE QIRQGLEELQ KVLPGGDTYM HEGFERASEQ IYYENRQGYR TASVIALTD GELHEDLFFY SEREANRSRD LGAIVYCVGV KDFNETQLAR IADSKDHVFP

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VNDGFQALQG IIHSILKKSC IEILAAEPST ICAGESFQVV VRGNGFRHAR
 NVDRVLCSEFK INDSVTLNEK PFSVEDTYLL CPAPILKEVG MKAALQVSMN
 DGLSFISSSV IITTHCSDG SILAIALLIL FLLLALALLW WFWPLCCTVI IKEVPPPPAE
 ESEENKIK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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