Recombinant Human ANTXR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ANTXR1-2478H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANTXR1 MS Standard C13 and N15-labeled recombinant protein (NP_444262) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	38.3 kDa
AA Sequence	MATAERRALGIGFQWLSLATLVLICAGQGGRREDGGPACYGGFDLYFILDKSGSVLH HWNEIYYFVEQLAHKFISPQLRMSFIVFSTRGTTLMKLTEDREQIRQGLEELQKVLPG GDTYMHEGFERASEQIYYENRQGYRTASVIIALTDGELHEDLFFYSEREANRSRDLG AIVYCVGVKDFNETQLARIADSKDHVFPVNDGFQALQGIIHSILKKSCIEILAAEPSTIC

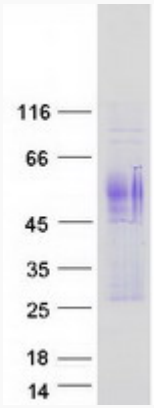
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	AGESFQVVVRGNGFRHARNVDRVLCSFKINDSVTLNEKPFSVEDTYLLCPAPILKEV GMKAALQVSMNDGLSFISSSVIITTTHCSDGSILAIALLILFLLLALALLWWFWPLCCTV IIKEVPPPPAEESEENKIKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ANTXR1 anthrax toxin receptor 1 [Homo sapiens (human)]
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_053034
Protein Refseq	NP_444262

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MIM	606410
UniProt ID	Q9H6X2
SDS-PAGE	

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