

Recombinant Human ANT XR2, His-tagged

Cat. No. ANT XR2-269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANT XR2, 34-317aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	34-317aa
Description	ANT XR2 is called anthrax toxin receptor 2 because it allows the toxin that causes anthrax to attach to cells and trigger disease. This protein is involved in the formation of tiny blood vessels (capillaries). It is also important for maintaining the structure of basement membranes, which are thin, sheet-like structures that separate and support cells in many tissues. Recombinant human ANT XR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl
Molecular Mass	33.0 kDa(307aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQEQPSCR RAFDLYFVLD KSGSVANNWI EIYNFVQQLA ERFVSPERMRL SFIVFSSQAT IILPLTGDRG KISKGLEDLK RVSPVGETYI HEGLKLANEQ IQKAGGLKTS SIIALTDGK LDGLVPSYAE KEAKISRSLG ASVYCVGVLD FEQAQLERIA DSKEQVFPVK GGFQALKGII NSILAQSCTE ILELQPSSVC VGEEFQIVLS GRGFMLGSRN GSVLCTYTVN

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ETYTTSVKPV SVQLNSMLCP APILNKAGET LDVSVSFNGG KSVISGSLIV
TATECSN

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ANTXR2 anthrax toxin receptor 2 \[Homo sapiens \]](#)

Official Symbol ANTXR2

Synonyms ANTXR2; anthrax toxin receptor 2; capillary morphogenesis protein 2; CMG 2; CMG2; FLJ31074; capillary morphogenesis gene 2 protein; ISH; JHF; CMG-2; MGC45856; MGC111533;

Gene ID [118429](#)

mRNA Refseq [NM_001145794](#)

Protein Refseq [NP_001139266](#)

MIM [608041](#)

UniProt ID [P58335](#)

Chromosome Location 4q21.3

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Pathway	Cellular roles of Anthrax toxin, organism-specific biosystem;
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Function	metal ion binding; protein binding; receptor activity;
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