

## Recombinant Mouse Antxr2 Protein, His-tagged

**Cat. No.** Antxr2-45M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse ANTXR2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Description</b>	ANTXR2, also known as anthrax toxin receptor 2, is a widely expressed anthrax toxin receptor family protein. The main functional domain of this protein is an extracellular integrinlike von Willebrand factor type A (VWA) domain with a metal ion dependent adhesion site, through which it adheres selectively to collagen type IV and laminin. This protein and the related protein ATR/TEM8 serve as receptors for the protective antigen of Bacillus anthracis.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
<b>Molecular Mass</b>	31.9kDa (295aa)28-40KDa (SDS-PAGE under reducing conditions.)
<b>AA Sequence</b>	QAQEQPSCKK AFDLYFVLDK SGSVANNWIE IYNFVHQLTE RFVSPERMRLS FIVFSSQATI ILPLTGDRYK IGKGLLEDLKA VKPVGETYIH EGLKLANEQI QNAGGLKASS IIIALTDGKL DGLVPSYAEN EAKKSRSLGA SVYCVGVLDLF EQAQLERIAAD SKDQVFPVKG GFQALKGIIN SILAQSCTEI LELSPSSVCV GEKFQVVLTG RAVTSISHDG SVLCTFTANS TYTKSEKPVV IQPSSILCPA PVLNKDGETL EVSISYNDGK SAVSRSLTIT ATECTNGLEH HHHHH

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<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5mg/ml (determined by Absorbance at 280nm)

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Antxr2 anthrax toxin receptor 2 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Antxr2</a>
<b>Synonyms</b>	ANTXR2; anthrax toxin receptor 2; CMG2; CMG-2; cl-35; AW561899; 2310046B19Rik;
<b>Gene ID</b>	<a href="#">71914</a>
<b>mRNA Refseq</b>	<a href="#">NM_133738</a>
<b>Protein Refseq</b>	<a href="#">NP_598499</a>
<b>MIM</b>	
<b>UniProt ID</b>	
<b>Function</b>	metal ion binding; receptor activity;

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