

# Recombinant mouse CMG-2/ANTXR2 protein

Catalog Number: ATGP3325

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

32-318aa

### UniProt No.

Q6DFX2

### NCBI Accession No.

NP\_598499

### Alternative Names

Anthrax toxin receptor 2, 2310046B19Rik, AW561899, cl-35, CMG-2, CMG2

## PRODUCT SPECIFICATION

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### Molecular Weight

31.9 kDa (295aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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

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anthracis. Recombinant mouse ANTXR2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

QAQEQPSCKK AFDLYFVLDK SGSVANNWIE IYNFVHQLTE RFVSPERMRLS FIVFSSQATI ILPLTGDRYK IGKGGLEDLKA  
VKPVGETYIH EGLKLANEQI QNAGGLKASS IIIALTDGKL DGLVPSYAEN EAKKSRSLGA SVYCVGVLDL EQAQLERLAD  
SKDQVFPVKG GFQALKGIIN SILAQSCTEI LELSPSSVCV GEKFQVVLGT RAVTSISHDG SVLCTFTANS TYTKSEKPV  
IQPSSILCPA PVLNKDGETL EVSISYNDGK SAVSRSLTIT ATECTNG<LEH HHHHH>

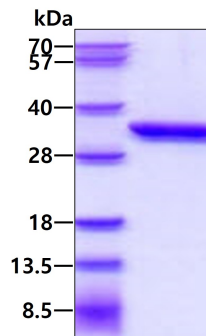
## General References

Sastalla I., et al. (2012) *Infect. Immun.* 80:529-538.

Reeves CV., et al. (2012) *PLoS ONE* 7:E34862.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain