

Product information

Antxr2, 32-318aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3325

Full name: Anthrax toxin receptor 2

NCBI Accession No.: NP_598499

Synonyms: 2310046B19Rik, AW561899, cl-35, CMG-2, CMG2

Description: ANT XR2, 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*. Recombinant mouse ANT XR2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 31.9kDa (295aa)

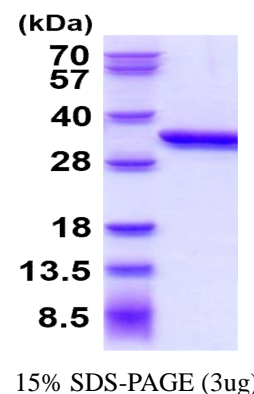
28-40KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Gln32

Purity: > 95% by SDS – PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

QAQEQPSCKK AFDLYFVLDK SGSVANNWIE IYNFVHQLTE RFVSPERMRLS FIVFSSQATI ILPLTGDRYK IGKGLEDLKA VKPVGETYIH
EGLKLANEQI QNAGGLKASS IIALTDGKL DGLVPSYAEN EAKKSRLGA SVYCVGLDF EQAQLERIAAD SKDQVFPVKG GFQALKGIIN
SILAQSCTEI LELSPSSVCV GEKFQVVLTG RAVTSISHDG SVLCTFTANS TYTKSEKPVIS IQPSSILCPA PVLNKDGETL EVSISYNDGK
SAVSRSLTIT ATECTNGLEH HHHHH

General references:

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

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.