

Recombinant Human TEM8/ANTXR1 Protein

Catalog No.: RP01098 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	84168	Q9H6X2

Tags

C-His

Synonyms

Anthrax Toxin Receptor 1; Tumor Endothelial Marker 8; ANTXR1; ATR; TEM8

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein is 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.

Basic Information

Description

Recombinant Human TEM8/ANTXR1 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Glu33-Lys321) of human ANTXR1 (Accession #Q9H6X2) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

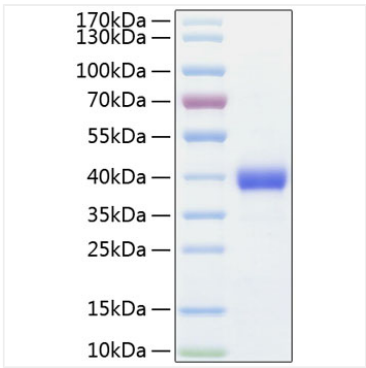
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human TEM8/ANTXR1
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 38
kDa.