

## 32-17666: Recombinant Human ANT XR1 Protein, His Tag

**Uniprot ID :** Q9H6X2

**Alternative Name :** ATR, GAPO, TEM8

### Description

Molecular Characterization: ANT XR1(Glu33-Ser321) 6 $\times$ His tag

Molecular weight: The protein has a predicted molecular mass of 33.2 kDa after removal of the signal peptide. The apparent molecular mass of ANT XR1-His is approximately 35-55 kDa due to glycosylation.

Description: Recombinant human ANT XR1 protein with C-terminal 6 $\times$ His tag

This gene encodes 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.

### Product Info

**Amount :** 100  $\mu$ g / 50  $\mu$ g

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.