PRODUCT INFORMATION

Target	ANTXR1
Synonyms	ATR;GAPO;TEM8
Description	Recombinant human ANTXR1 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9H6X2
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	ANTXR1(Glu33-Ser321) 6×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 ANTXR1-His is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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. [provided by RefSeq, Oct 2008]
Usage	Research use only
Conjugate	Unconjugated

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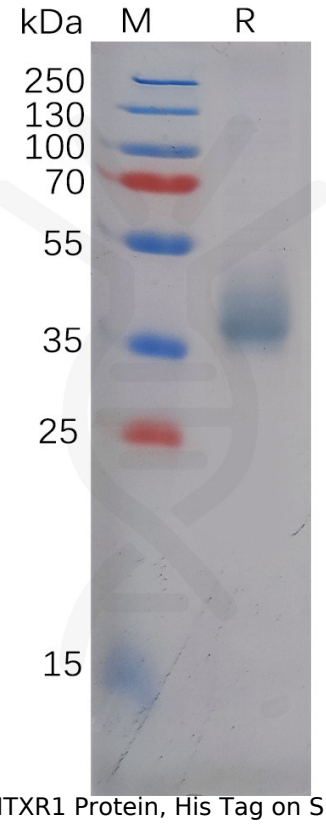


Figure 1. Human ANTXR1 Protein, His Tag on SDS-PAGE under reducing condition.

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