HUMAN ANTXR1 PROTEIN, HIS TAG

: 11412

: Human ANTXR1 Protein

: 10 µg, 50 µg and 100 µg

: ATR;GAPO;TEM8

Target: ANTXR1

UNIPROT ID: Q9H6X2

: Recombinant human ANTXR1 protein with C-terminal 6xHis 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. [provided by RefSeq, Oct 2008]

Species/Host: HEK293

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.

Molecular Characterization: ANTXR1(Glu33-Ser321) 6×His tag

:: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
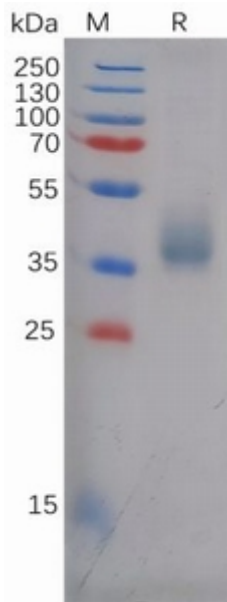
Figure 1. Human ANTXR1 Protein, His Tag on SDS-PAGE under reducing condition.