

# Human ANTXR2 Protein

Cat. No. ANT-HM1R2

## Description

<b>Source</b>	Recombinant Human ANTXR2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln34-Gly318.
<b>Accession</b>	NP_477520.2
<b>Molecular Weight</b>	The protein has a predicted MW of 31.81 kDa. Due to glycosylation, the protein migrates to 38-43 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

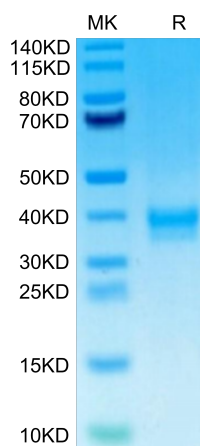
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The Capillary Morphogenesis Gene 2 (CMG2) gene encodes an Anthrax toxin receptor (ANTXR2), ANTXR2/CMG2 was originally identified as a result of up-regulation during capillary morphogenesis of endothelial cells (ECs) cultured in vitro. ANTXR2/CMG2 functions to promote endothelial proliferation and morphogenesis during sprouting angiogenesis, consistent with the endothelial expression of ANTXR2/CMG2 in several vascular beds.

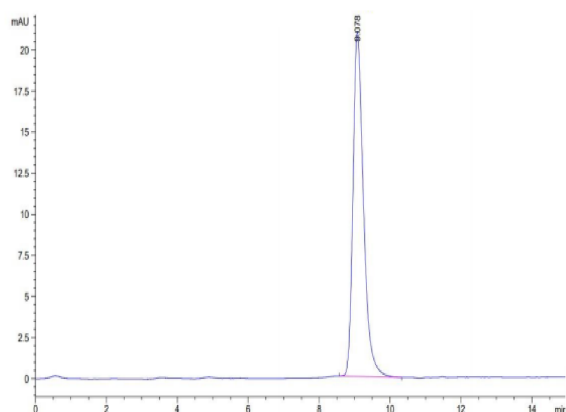
## Assay Data

### Bis-Tris PAGE



Human ANTXR2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human ANTXR2 is greater than 95% as determined by SEC-HPLC.