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Datasheet for ABIN7273841

## ANTXR2 Protein (AA 34-318) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	ANTXR2
Protein Characteristics:	AA 34-318
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANTXR2 protein is labelled with His tag.

#### Product Details

Purpose:	Human ANTXR2 Protein
Sequence:	Gln34-Gly318
Characteristics:	Recombinant Human ANTXR2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln34-Gly318.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	ANTXR2
Alternative Name:	ANTXR2 ( <a href="#">ANTXR2 Products</a> )

## Target Details

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**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.

**Molecular Weight:** 31.81 kDa. Due to glycosylation, the protein migrates to 38-43 kDa based on Tris-Bis PAGE result.

**NCBI Accession:** [NP\\_477520](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

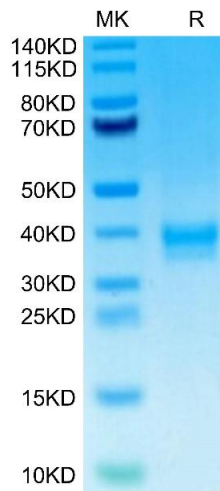
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C, -80 °C

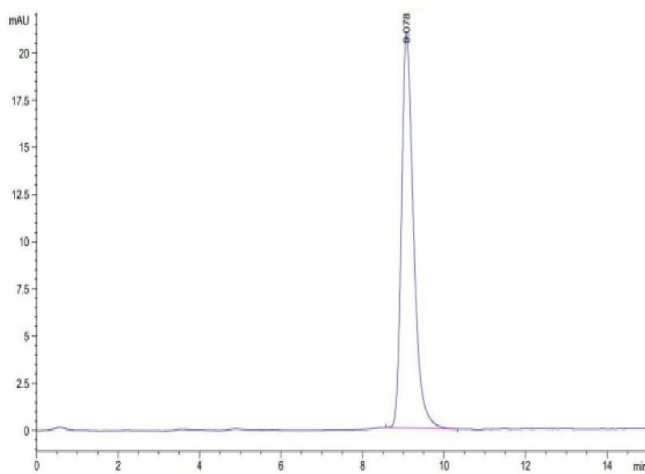
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., -2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Human ANTXR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human ANTXR2 is greater than 95 % as determined by SEC-HPLC.