

Datasheet for ABIN7273836

ANGPTL2 Protein (AA 260-493) (His-Avi Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	ANGPTL2
Protein Characteristics:	AA 260-493
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANGPTL2 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human ANGPTL2/Angiotensin-like 2 Protein
Sequence:	Thr260-His493
Characteristics:	Recombinant Human ANGPTL2/Angiotensin-like 2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Thr260-His493.
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.
Biological Activity Comment:	The affinity constant of 0.14µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

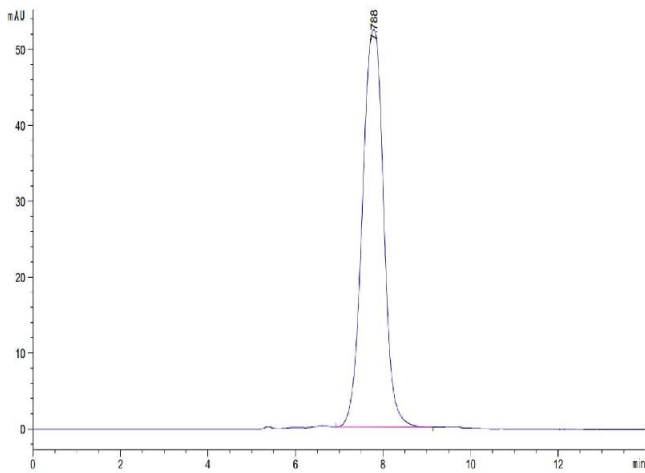
Target:	ANGPTL2
Alternative Name:	ANGPTL2 (ANGPTL2 Products)
Background:	Angiotensin-like 2 (ANGPTL2) is a proinflammatory protein belonging to the angiotensin-like family. ANGPTL2 is secreted and detected in the systemic circulation. Different observational clinical studies reported that circulating levels of ANGPTL2 increase significantly in various chronic inflammatory diseases and showed associations between ANGPTL2 levels and diagnosis and/or prognosis of cardiovascular diseases, diabetes, chronic kidney disease, and various types of cancers.
Molecular Weight:	30.1 kDa. Due to glycosylation, the protein migrates to 31-35 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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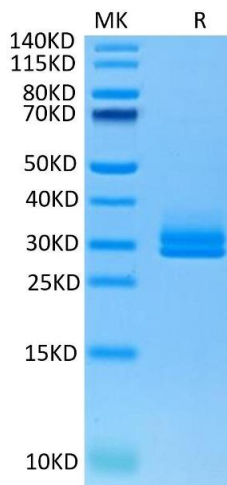
Handling

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



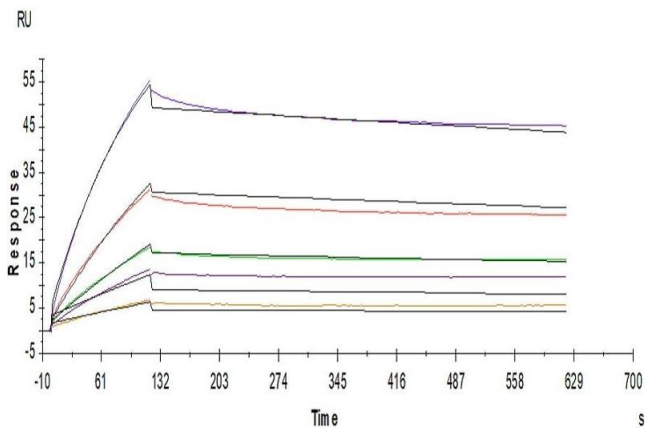
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human ANGPTL2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human ANGPTL2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 3. Human LILRB2, hFc Tag captured on Protein A chip, can bind Human ANGPTL2, His Tag with an affinity constant of $0.14\mu\text{M}$ as determined in a SPR assay(Biacore T200).