

Datasheet for ABIN7273833

ANGPTL4 Protein (AA 166-406) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ANGPTL4
Protein Characteristics:	AA 166-406
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANGPTL4 protein is labelled with His tag.

Product Details

Purpose:	Human ANGPTL4/Angiopoietin-like 4 Protein
Sequence:	Pro166-Ser406
Characteristics:	Recombinant Human ANGPTL4/Angiopoietin-like 4 Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Pro166-Ser406.
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 13.8nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	ANGPTL4
Alternative Name:	ANGPTL4 (ANGPTL4 Products)
Background:	Candidates for this common regulatory system include signals mediated by peroxisome proliferator-activated regulator and its response factor, angiopoietin-like 4. The expression and bioactivity of angiopoietin-like 4, an adipocytokine that was originally reported to have an angiogenic function, have been detected not only in the vascular system and adipose tissue but also in rheumatoid joints.
Molecular Weight:	28.2 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Lipid Metabolism by PPARAlpha

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

Surface Plasmon Resonance

Image 1. Human LILRB2 captured on Protein A chip, can bind Human ANGPTL4, His Tag with an affinity constant of 13.8nM as determined in a SPR assay (Biacore T200).

SDS-PAGE

Image 2. Human Angiopoietin-like 4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Angiopoietin-like 4 is greater than 95 % as determined by SEC-HPLC.

