Human ANGPTL4/Angiopoietin-like 4 Protein

Cat. No. ANG-HM1L4

Description

Source	Recombinant Human ANGPTL4/Angiopoietin-like 4 Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Pro166-Ser406.
Accession	Q9BY76-1
Molecular Weight	The protein has a predicted MW of 28.2 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

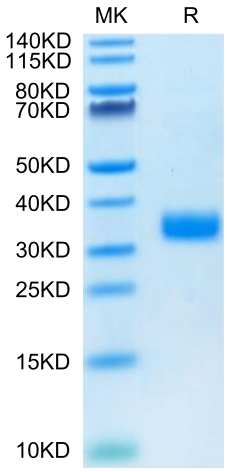
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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.

Assay Data

Tris-Bis PAGE



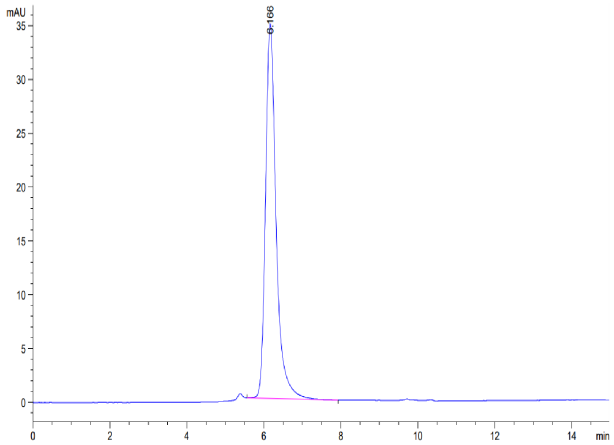
Human Angiopoietin-like 4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human ANGPTL4/Angiopoietin-like 4 Protein

Cat. No. ANG-HM1L4

Assay Data



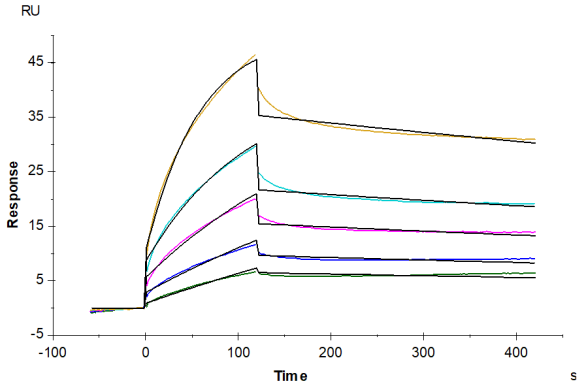
The purity of Human Angiopoietin-like 4 is greater than 95% as determined by SEC-HPLC.

Human ANGPTL4/Angiopoietin-like 4 Protein

Cat. No. ANG-HM1L4

Assay Data

SPR Data



Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Human ANGPTL4, His Tag with an affinity constant of 24.50 nM as determined in SPR assay (Biacore T200).