

Human ANGPTL2/Angiopoietin-like 2 Protein

Cat. No. ANG-HM4L2

Description

Source	Recombinant Human ANGPTL2/Angiopoietin-like 2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Thr260-His493.
Accession	Q9UKU9-1
Molecular Weight	The protein has a predicted MW of 30.1 kDa. Due to glycosylation, the protein migrates to 31-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

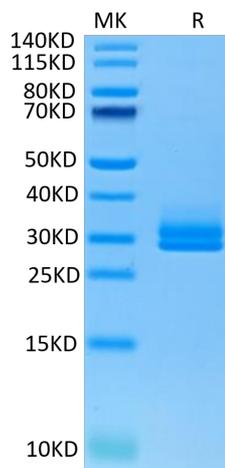
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

Angiopoietin-like 2 (ANGPTL2) is a proinflammatory protein belonging to the angiopoietin-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.

Assay Data

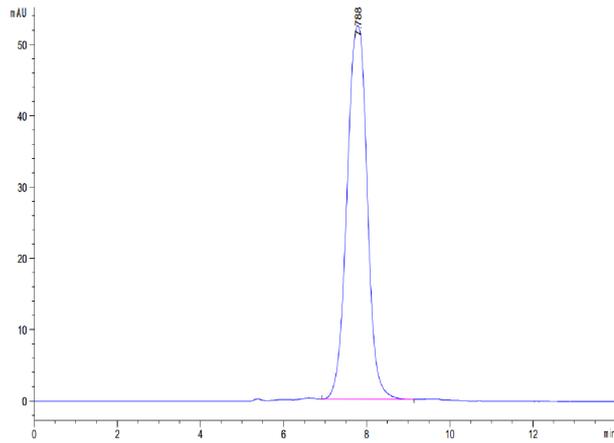
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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