

Recombinant Human ANGPTL3 protein, His-tagged

Cat. No. ANGPTL3-176H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPTL3 (Ser17-Pro220) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Ser17-Pro220
Description	<p>Angiopoietin-like protein 3 (ANGPTL3) is also known as Angiopoietin-related protein 3, Angiopoietin-5 (ANGPT5/ANG-5), is a member of the angiopoietin-like family of secreted factors. ANGPTL3/ANGPT5 is predominantly expressed in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain and the C-terminal fibrinogen (FBN)-like domain. The FBN-like domain in angiopoietin-like 3 protein was shown to bind alpha-5/beta-3 integrins, and this binding induced endothelial cell adhesion and migration. This protein may also play a role in the regulation of angiogenesis. Angptl3 also acts as dual inhibitor of lipoprotein lipase (LPL) and endothelial lipase (EL), and increases plasma triglyceride and HDL cholesterol in rodents. ANGPTL3 inhibit endothelial lipase to catalyze HDL-phospholipid and increase HDL-PL levels. Circulating PL-riched HDL particles have high cholesterol efflux abilities.</p>
Predicted N Terminal	Ser17
Form	Lyophilized from 0.22

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	µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 24.6 kDa. The protein migrates as 26-38 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by reduced SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ANGPTL3
Official Symbol	ANGPTL3
Synonyms	ANGPTL3; angiopoietin-like 3; ANGPT5; angiopoietin-related protein 3; angiopoietin 5; ANG-5; FHBL2
Gene ID	27329
mRNA Refseq	NM_014495

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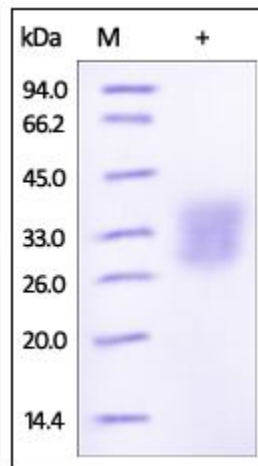
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Protein Refseq NP_055310

MIM 604774

UniProt ID Q9Y5C1

**SDS-PAGE of
ANGPTL3-176H**



Human Angiopoietin-like 3, His Tag on SDS-PAGE under reducing (R) condition.
The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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