

# Recombinant human Angiopoietin-like 3/ANGPTL3 protein

Catalog Number: ATGP3149

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

243-460aa

### UniProt No.

Q9Y5C1

### NCBI Accession No.

NP\_055310

### Alternative Names

ANG-5, Angiopoietin 5, Angiopoietin-related protein 3, ANGPT5, ANGPTL3, ANL3, FHBL2

## PRODUCT SPECIFICATION

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### Molecular Weight

27.7 kDa (239aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

ANGPTL3 also known as Angiopoietin-related protein 3 is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly 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. Recombinant human ANGPTL3, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MPAECTTIYN RGEHTSGMYA IRPSNSQVFH VYCDVISGSP WTLIQHRIDG SQNFNETWEN  
YKYGFGRLDG EFWLGLEKIY SIVKQSNYVL RIELEDWKDN KHYIEYSFYI GNHETNYTLH LVAITGNVPN AIPENKDLVF  
STWDHKAKGH FNCPEGYSGG WWWHDECGEN NLNGKYNKPR AKSKPERRRG LSWKSQNGRL YSIKSTKMLI HPTDSESEFE

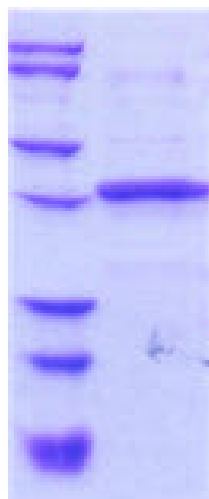
## General References

Arca M., et al. (2013) *Curr. Opin. Lipidol.* 24(4):313-20  
Quagliarini F Q., et al. (2012) *Proc Natl Acad Sci.* 109(48):19751-6

## DATA

### SDS-PAGE

(kDa)  
70  
57  
40  
28  
18  
13.5  
8.5



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)