

Recombinant human Angiopoietin-like 3/ANGPTL3 protein

Catalog Number: ATGP3149

PRODUCT INFORMATION

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

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

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

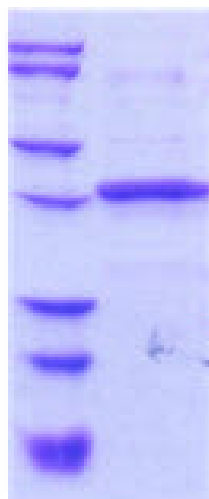
General References

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)