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## Recombinant human Angiopoietin-like 3/ANGPTL3 protein

Catalog Number: ATGP3406

## **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

17-460aa

#### UniProt No.

09Y5C1

#### **NCBI Accession No.**

NP 055310

#### **Alternative Names**

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

## **PRODUCT SPECIFICATION**

### **Molecular Weight**

52.9 kDa (453aa)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### 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, as known as angiopoietin-related protein 3, is a secreted glycoprotein that is structurally related to the angiopoietins. This protein directly inhibits lipoprotein lipase (LPL) and endothelial lipase (EL), enzymes responsible for hydrolyzing circulating triglycerides and HDL phospholipids. This activity requires a putative heparin-binding motif which is N-terminal to the coiled coil domain. Recombinant human ANGPTL3, fused to His-



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tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## **Amino acid Sequence**

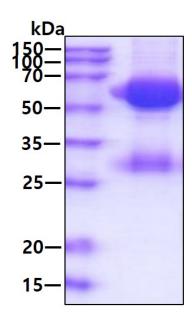
<ADP>SRIDQDN SSFDSLSPEP KSRFAMLDDV KILANGLLQL GHGLKDFVHK TKGQINDIFQ LNIFDQSFY DLSLQTSEIK EEEKELRRTT YKLQVKNEEV KNMSLELNSK LESLLEEKIL LQQKVKYLEE QLTNLIQNQP ETPEHPEVTS LKTFVEKQDN SIKDLLQTVE DQYKQLNQQH SQIKEIENQL RRTSIQEPTE ISLSSKPRAP RTTPFLQLNE IRNVKHDGIP AECTTIYNRG EHTSGMYAIR PSNSQVFHVY CDVISGSPWT LIQHRIDGSQ NFNETWENYK YGFGRLDGEF WLGLEKIYSI VKQSNYVLRI ELEDWKDNKH YIEYSFYLGN HETNYTLHLV AITGNVPNAI PENKDLVFST WDHKAKGHFN CPEGYSGGWW WHDECGENNL NGKYNKPRAK SKPERRRGLS WKSQNGRLYS IKSTKMLIHP TDSESFE

#### **General References**

Tikka A., et al. (2014) Biosci. Rep. 34:E00160. Ono M., et al. (2003) J. Biol. Chem. 278:41804-41809.

#### **DATA**

#### **SDS-PAGE**



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

