

Recombinant human Angiopoietin-like 3/ANGPTL3 protein

Catalog Number: ATGP3406

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

17-460aa

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

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

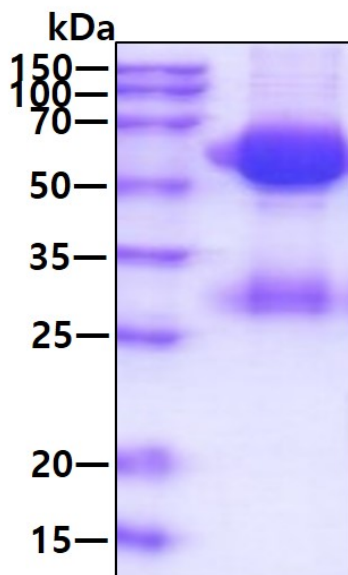
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EEEEKLRRTT YKLQVKNEEV KNMSLELNSK LESLLEEKIL LQQVKYLEE QLTNLIQNQP ETPEHPEVTS LKTFVEKQDN
SIKDLLQTVE DQYKQLNQQH SQIKEIENQL RRTSIQEPT EISLSSKPRAP RTTPFLQLNE IRNVKHDGIP AECTTIYNRG
EHTSGMYAIR PSNSQVFHVY CDVISGSPWT LIQHRIDGSQ NFNETWENYK YGFGRLDGEF WLGLEKIYSI VKQSNYVLRI
ELEDWKDNKH YIEYSFYLG N HETNYTLHLV AITGNV PNAI PENKDLVFST WDHKAKGHFN CPEGYSGGWW WHDECGENNL
NGKYNKPRAK SKPERRRGLS WKSQNGRLYS IKSTKMLIHP TDESSEFE<HHH HHH>

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.