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ANGPTL3 (17-460) Human

Angiopoietin-like Protein 3 (17-460 a.a.) Human Recombinant
CYK0032

Product Overview

Name	ANGPTL3 (17-460) Human

Description

Angiopoietin-like Protein 3 (17-460 a.a.) Human Recombinant

Accession (Primary)	Q9Y5C1

Synonyms

Angiopoietin Like 3, Angiopoietin 5, ANGPT5, ANG-5, Angiopoietin-Related Protein 3 , Angiopoietin-Like Protein 3, Angiopoietin-Like 3, Angiopoietin-5, FHBL2, ANL3.

Introduction

ANGPTL3 and ANGPTL4 are angiopoietin-like proteins secreted and expressed mainly by the liver, their role being the regulation of triglyceride metabolism by inhibiting the lipolysis of triglyceride-rich lipoproteins. During different nutritional states (feeding/fasting) the levels of the circulating triglycerides are regulated by Angptl3 and Angptl4 through differential inhibition of Lipoprotein lipase (LPL) as shown by the experimental data. The molecular structure of ANGPTL3 is similar to that of the angiopoietins (vascular endothelial growth factors). Deletion mutants of human Angiopoietin 5 were used in order to demonstrate that the N-terminal domain (fragment 17-207) and not the C-terminal fibrinogen-like domain (fragment 207-460) increased the plasma triglyceride levels in mice.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

ANGPTL3 protein solution (0.25mg/ml) contains Buffered Saline (pH 7.4),30% glycerol And 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADPSRIDQDN SSFDSLSPEP KSRFAMLDDV KILANGLLQL GHGLKDFVHK TKGQINDIFQ KLNIFDQSFY

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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 HHH HHH .

Precautions

ANGPTL3 (17-460) Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y5C1)