

32-6298: ANGPTL3 (17-460) Human

Alternative Name : Angiotensin Like 3, Angiotensin 5, ANGPT5, ANG-5, Angiotensin-Related Protein 3 , Angiotensin-Like Protein 3, Angiotensin-Like 3, Angiotensin-5, FHBL2, ANL3.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

ANGPTL3 and ANGPTL4 are angiotensin-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 angiotensins (vascular endothelial growth factors). Deletion mutants of human Angiotensin 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.

ANGPTL3 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 453 amino acids (17-460 a.a.) and having a molecular mass of 52.9kDa (Migrates at 25-70kDa on SDS-PAGE under reducing conditions).Å

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

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

Storage condition : 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.

Amino Acid : ADPSRIDQDN SSFDSLSPEP KSRFAMLDVV KILANGLLQL GHGLKDFVHK TKGQINDIFQ KLNIFDQSFY
DLSLQTSEIK EEEKELRRTT YKLQVKNEEV KNMSLELNSK LESLLEEKIL LQQKVKYLEE QLTNLIQNQP
ETPEHPEVTS LKTFVEKQDN SIKDLLQTV E DQYQLNQQH SQIKEIENQL RRTSIQEPT E ISLSSKPRAP
RTTPFLQLNE IRNVKHDGIP AECTTIYNRG EHTSGMYAIR PSNSQVFHVV CDVISGSPWT LIQHRIDGSQ
NFNETWENYK YGFGRLDGEF WLGLEKIYSI VKQSNYVLR I ELEDWKDKNH YIEYSFYLG N HETNYTLHLV
AITGNV PNAI PENKDLVFST WDHKAKGHFN CPEGYSGGWW WHDECGENNL NGKYNKPRAK
SKPERRRGLS WKSQNGRLYS IKSTKMLIHP TDESSEFEHHH HHH.