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32-6298: ANGPTL3 (17-460) Human

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

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
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).Â

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 KSRFAMLDDV KILANGLLQL GHGLKDFVHK TKGQINDIFQ KLNIFDQSFY 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 TDSESFEHHH HHH.

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