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32-6297: ANGPTL3 (243-460) Human

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

Description

Source: E.coli.
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 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 239 amino acids (243-460 a.a) and having a molecular mass of 27.7kDa. ANGPTL3 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	ANGPTL3 protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.
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 :	MGSSHHHHHH SSGLVPRGSH MPAECTTIYN RGEHTSGMYA IRPSNSQVFH VYCDVISGSP WTLIQHRIDG SQNFNETWEN YKYGFGRLDG EFWLGLEKIY SIVKQSNYVL RIELEDWKDN KHYIEYSFYL GNHETNYTLH LVAITGNVPN AIPENKDLVF STWDHKAKGH FNCPEGYSGG WWWHDECGEN NLNGKYNKPR AKSKPERRRG LSWKSQNGRL YSIKSTKMLI HPTDSESFE.

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