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**Product Data Sheet**


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Product Name: ANGPTL3 (17-460) Human  
 Cat. No.: GP20040  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Angiotensin Like 3; Angiotensin 5; ANGPT5; ANG-5;Angiotensin-Related Protein 3 ; Angiotensin-Like Protein 3; Angiotensin-Like3; Angiotensin-5; FHBL2; ANL3.		
Amino Acid Sequence	ADPSRIDQDN SSFDSLSEPEP KSRFAMLDDV KILANGLLQL GHGLKDFVHKTKGQINDIFQ KLNIFDQSFY DLSLQTSEIK EEEKELRRTT YKLQVKNEEV KNMSLELNSK LESLLEEKIL LQQKVKYLEEQLTNLIQNQP ETPEHPEVTS LKTFVEKQDN SIKDLLQTVE DQYKQLNQQH SQIKEIENQL RRTSIQEPTAISLSSKPRAP RTTPFLQLNE IRNVKHDGIP AECTTIYNRG EHTSGMYAIR PSNSQVFHVV CDVISGSPWT LIQHRIDGSQNFNETWENYK YGFGRLDGEF WLGLEKIYSI VKQSNYVLR I ELEDWKDNKH YIEYSFYLG N HETNYTLHLVAITGNVPNAI PENKDLVFST WDHKAKGHFN CPEGYSGGWW WHDECGENNL NGKYNKPRAK SKPERRRGLS WKSQNGRLYSIKSTKMLIHP TDESSEFEHHH HHH.		
Formulation	ANGPTL3 protein solution (0.25mg/ml) contains Buffered Saline (pH 7.4),30% glycerol And 1mM DTT.		

**Introduction**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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17-207) and not the C-terminal fibrinogen-like domain (fragment 207-460) increased the plasma triglyceride levels in mice.

### 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.

### Background

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).

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