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ANGPTL3 Human, HEK

Angiopoietin Like Protein 3 Human Recombinant, HEK
CYK0035

Product Overview

Name	ANGPTL3 Human, HEK
Description	
Angiopoietin Like Protein 3 Human Recombinant, HEK	
Accession (Primary)	Q9Y5C1
Synonyms	
Angiopoietin 5, ANGPT5, ANGPTL3, Angiopoietin Like Protein 3.	
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	
HEK 293.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.4 μm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
SRIDQDNSSF DSLSPEPKSR FAMLDDVKIL ANGLLQLGHG LKDFVHKTKG QINDIFQKLN IFDQSFYDLS LQTSEIKEEE KELRRTTYKL QVKNEEVKNM SLELNSKLES LLEEKILLQQ KVKYLEEQLT NLIQNQPETP	

EHPEVTSLKT FVEKQDNSIK DLLQTVEDQY KQLNQQHSQI KEIENQLRRT SIQEPTEISL SSKPRAPRTT PFLQLNEIRN VKHDGIPAEC TTIYNRGEHT SGMYAIRPSN SQVFHVYCDV ISGSPWTLIQ HRIDGSQNFN ETWENYKYGF GRLDGEFWLG LEKIYSIVKQ SNYVLRIELE DWKDNKHYIE YSFYLGNHET NYTLHLVAIT GNVPNAIPEN KDLVFSTWDH KAKGHFNCPE GYSGGWWWHD ECGENNLNGK YNKPRAKSKP ERRRGLSWKS QNGRLYSIKS TKMLIHPTDS ESFE HHHHHH .

Solubility

It is recommended to add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

ANGPTL3 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y5C1)