



ANGPTL3 Recombinant Protein

Cat. No.: 40-657




Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	CHO cells
SEQUENCE:	SRIDQDNSSF DSLSPEPKSR FAMLDDVKIL ANGLQLGHG LKDFVHKTG QINDIFQLN IFDQSFYDLS LQTSEIKEEE KELRRTTYKL QVKNEEVKNM SLELNSKLES LLEEKILLQQ KVKYLEEQLT NLIQNQPETP EHPEVTSKLT FVEKQDNSIK DLLQTVEDQY KQLNQQHSQI KEIENQLRRT SIQEPTEISL SSKPRAPRTT PFLQLNEIRN VKHDGIPAEC TTIYNRGEHT SGMYAIRPSN SQVFHVYCDV ISGSPWTLIQ HRIDGSQNFN ETWENYKYGF GRLDGEFWLG LEKIYSIVKQ SNYVLRIELE DWKDNKHYIE YSFYLGNET NYTLHLVAIT GNVNPAIPEN KDLVFSTWDH KAKGHFNCPE GYSGGWWWHD ECGENNLNGK YNKPRAKSKP ERRRGLSWKS QNGRLYSIKS TKMLIHPTDS ESFEHHHHHH HH

Ψ Properties

PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses.
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. As with any protein, exposing the recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	ANGPTL3
ALTERNATE NAMES:	Angiopoietin-like protein 3, ANG-5, ANGPT5
GENE ID:	27329

 Background and References

BACKGROUND:	<p>ANGPTL-3 (Angiopoietin like protein 3) is a member of the angiopoietin family of structurally related proteins, characterized by a coiled N-terminal domain and a C-terminal fibrinogen like domain. It is primarily expressed in the liver and can exert activities related to both angiogenesis and lipid metabolism. ANGPTL-3 inhibits lipoprotein lipase (LPL) and endothelial lipase (EL), which has the effect of increasing plasma levels of triglycerides and HDL associated cholesterol. The fibrinogen like portion of the ANGPTL-3 protein can bind alpha-5/beta-3 integrins leading to endothelial cell adhesion and migration. Recombinant human ANGPTL-3 is a glycoprotein that migrates by SDS-PAGE analysis at an apparent molecular weight of 62 kDa, and contains 452 amino acid residues including a C-terminal His tag.</p>
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