
Product Data Sheet

Product Name: ANGPTL2 Human (CHO)

Cat. No.: GP20035

Batch No.: 1

Product Data

Purity	>98%	Source	Chinese Hamster Ovary Cells (CHO).
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Angiopoietin-related protein 2; Angiopoietin-like protein 2; ANGPTL2; ARP2; HARP.		
Amino Acid Sequence	<p>YNNFRKSMDS IGKKQYQVQH GSCSYTFLLP EMDNCRSSSS PYVSNVAVQRD APLEYDDSVQRLQVLENIME NNTQWLMKLE NYIQDNMCKEMVEIQNAVQ NQTAVMIEIG TLLNQTAEQTRKLTDEVAQ VLNQTTRLEL QLLEHSLSTN KLEKILDQT SEINKLQDKNSFLEKKVLAMEDKHIIQLQS IKEEKDQLQV LVSKQNSIIE ELEKKIVTAT VNNSVLQKQHDLMETVNNL LTMMSTNSA KDPTVAKEEQ ISFRDCAEVFKSGHTTNGIY TLTFPNSTEEIKAYCDMEAG GGGWTIIQRR EDGSVDFQRT WKEYKVGFGN PSGEYWLGN FVSQLTNQQRVYVVKIHLKDWEGNEAYSLEY HFYLSSEELN YRIHLKGLTG TAGKISSISQ PGNDFSTKGDNDKCICKCS QMLTGGWWFD ACGPSNLNGM YYPQRQNTNKFNGIKWYYWK GSGYSLKATT MMIRPADFHH HHHH</p>		
Formulation	ANGPTL2 protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

Angiopoietins belong to the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietins-1, 2 and 4 partake in the formation of blood vessels. ANGPTL2 displays angiogenic effects. Angiopoietin-like Protein 2 (ANGPTL2) is an anti-diabetic factor. ANGPTL2 induces sprouting in endothelial cells through an autocrine and paracrine action. ANGPTL2 increases insulin sensitivity in adipocytes. In addition, ANGPTL2 is a mediator of chronic adipose tissue inflammation. ANGPTL2 expressed mainly in the heart, small intestine, spleen and stomach. ANGPTL2 is also found in a lower levels in the colon, ovary, adrenal

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

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gland, skeletal muscle and in prostate.

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

ANGPTL2 produced in Chinese hamster ovary (CHO) cells by recombinant DNA technology is a single, polypeptide chain (19-496 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 484 amino acids and having a molecular mass of 55.7kDa. ANGPTL2 shows multiple bands between 50-100kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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