
Product Data Sheet

Product Name: ANGPTL2 Human (Escherichia Coli)

Cat. No.: GP20036

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Angiopoietin-related protein 2; Angiopoietin-like protein 2; ANGPTL2; ARP2; HARP.		
Amino Acid Sequence	<p>MKHHHHHHASQEDGFEGTEE GSPREFIYLN RYKRAGESQD KCTYTFIVPQ QRVTGAICVN SKEPEVLLEN RVHKQELELL NELLKQKRQ IETLQQLVEV DGGIVSEVKL LRKESRMNS RVTQLYMQLL HEIRKRDNA LELSLENRI LNQTADMLQL ASKYKDLEHK YQHLATLAHN QSEIIAQL EE HCQRVPSARP VPQPPPAAPP RVYQPPTYNR IINQISTNEI QSDQNLKVL PPLPTMPTLT SLPSSTDKPS GPWRDCLQAL EDGHDTSSIY LVKPENTNRL MQVWCDQRHD PGGWTVIQRR LDGSVNFFRN WETYKQGFNG IDGEYWLGLE NIYWLTNQGN YKLLVTMEDW SGRKVFAEYA SFRLEPESEY YKLRLGRYHG NAGDSFTWHN GKQFTTLDRD HDVYTGNAH YQKGGWWYNA CAHSNLNGVW YRGGHYRSRY QDGVYWAEFR GGSYSLKKVV MMIRPNPNTF H.</p>		
Solubility	<p>It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, an intensive dilution by relevant buffer to a concentration of 10µg/ml is recommended. In higher concentrations the solubility of the ANGPTL2 is limited. ANGPTL2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.</p>		
Formulation	ANGPTL2 was filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.03M Acetate buffer pH 4.0.		

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

partake in the formation of blood vessels. ANGPTL2 displays angiogenic effects. Angiotensin-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 is widely expressed in the heart, small intestine, spleen and stomach. ANGPTL2 is also found in lower levels in the colon, ovary, adrenal gland, skeletal muscle and in prostate.

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; it does not show any change after two weeks at 4°C .

Background

ANGPTL2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 481 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 56kDa (calculated).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA