

Recombinant Human ANGPTL3 protein, His-tagged

Cat. No. ANGPTL3-32H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ANGPTL3, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	ANGPTL3 also known as Angiopoietin-related protein 3 is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain, and the C-terminal fibrinogen (FBN)-like domain. The FBN-like domain in angiopoietin-like 3 protein was shown to bind alpha-5/beta-3 integrins, and this binding induced endothelial cell adhesion and migration. This protein may also play a role in the regulation of angiogenesis.
Form	Liquid. In 20mM Tris-HCl (pH8.0) containing 10% glycerol
Molecular Mass	27.7kDa (239aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MPAECTTIYN RGEHTSGMYA IRPSNSQVFH VYCDVISGSP WTLIQHRIDG SQNFNETWEN YKYGFGRLDG EFWLGLEKIY SIVKQSNYVL RIELEDWKDN KHYIEYSFYL GNHETNYTLH LVAITGNVNP AIPENKDLVF STWDHKAKGH FNCPEGYSSG WWWHDECGEN NLNGKYNKPR AKSKPERRRG LSWKSQNGRL YSIKSTKMLI HPTDSESEFE

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	ANGPTL3 angiopoietin-like 3 [Homo sapiens]
Official Symbol	ANGPTL3
Synonyms	ANGPTL3; angiopoietin-like 3; ANGPT5; angiopoietin-related protein 3; angiopoietin 5; ANG-5; FHBL2;
Gene ID	27329
mRNA Refseq	NM_014495
Protein Refseq	NP_055310
MIM	604774
UniProt ID	Q9Y5C1
Chromosome Location	1p31.1-p22.3
Pathway	Integrins in angiogenesis, organism-specific biosystem;

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Function

cell surface binding; enzyme inhibitor activity; growth factor activity; integrin binding;
phospholipase inhibitor activity;

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