

## Recombinant Human ANGPTL3, FLAG-tagged

**Cat. No.** ANGPTL3-26574TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ANGPTL3 fused at the C terminus to a DDDDK tag; mwt: 60 kDa by SDS PAGE.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	460 amino acids
<b>Description</b>	The protein encoded by this gene is a member of the angiotensin-like family of secreted factors. It is predominantly expressed in the liver, and has the characteristic structure of angiotensins, consisting of a signal peptide, N-terminal coiled-coil domain and the C-terminal fibrinogen (FBN)-like domain. The FBN-like domain in angiotensin-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.
<b>Conjugation</b>	FLAG
<b>Molecular Weight</b>	60.000kDa inclusive of tags
<b>Tissue specificity</b>	Expressed principally in liver. Weakly expressed in kidney.
<b>Biological activity</b>	Activates ERK phosphorylation in THP-1 cells.

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<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: PBS
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	Contains 1 fibrinogen C-terminal domain.

## GENE INFORMATION

<b>Gene Name</b>	ANGPTL3 angiotensin-like 3 [ Homo sapiens ]
<b>Official Symbol</b>	ANGPTL3
<b>Synonyms</b>	ANGPTL3; angiotensin-like 3; ANGPT5; angiotensin-related protein 3; angiotensin 5;
<b>Gene ID</b>	27329
<b>mRNA Refseq</b>	NM_014495
<b>Protein Refseq</b>	NP_055310
<b>MIM</b>	604774
<b>Uniprot ID</b>	Q9Y5C1
<b>Chromosome</b>	1p31.1-p22.3

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**Location**

**Pathway**

Integrins in angiogenesis, organism-specific biosystem;

**Function**

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

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