

# 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 angiopoietin-like family of secreted factors. It is predominantly expressed 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. |
| <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<br>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 angiopoietin-like 3 [ Homo sapiens ]                                          |
| <b>Official Symbol</b> | ANGPTL3                                                                               |
| <b>Synonyms</b>        | ANGPTL3; angiopoietin-like 3; ANGPT5; angiopoietin-related protein 3; angiopoietin 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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|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Location</b> |                                                                                                                              |
| <b>Pathway</b>  | Integrins in angiogenesis, organism-specific biosystem;                                                                      |
| <b>Function</b> | cell surface binding; enzyme inhibitor activity; growth factor activity; integrin binding; phospholipase inhibitor activity; |

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