

# ANGPTL3 (Human) Recombinant Protein

Catalog # P8410

Size 20 ug

## Specification

|                             |                                                                                                                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Human ANGPTL3 (Q9Y5C1, 243 a.a. - 460 a.a.) partial-length recombinant protein with His-tag at N-terminal expressed in <i>Escherichia coli</i> .                                                                                                          |
| <b>Amount</b>               | > 90% by SDS-PAGE                                                                                                                                                                                                                                         |
| <b>Sequence</b>             | MGSSHHHHHHSSGLVPRGSHMPAECTTIYNRGEHTSGMYAIRPSNSQVFHVYCDVISGSPWTLIQ<br>HRIDGSQNFNETWENYKYGFGRLDGEFWLGLEKIYSIVKQSNYVLRILEDWKDNKHYEYSFYLG<br>HETNYTLHLVAITGNVPNAIPENKDLVFSTWDHKAKGHFNCPEGYSGGWWWHDECGENNLNGKY<br>NKPRAKSKPERRRGLSWKSQNGRLYSIKSTKMLIHPTDSESFE. |
| <b>Host</b>                 | <i>Escherichia coli</i>                                                                                                                                                                                                                                   |
| <b>Theoretical MW (kDa)</b> | 27.7                                                                                                                                                                                                                                                      |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                    |
| <b>Preparation Method</b>   | <i>Escherichia coli</i> expression system                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>       | 20mM Tris-HCl (pH8.0) and 10% glycerol.                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>  | Store, frozen at -20°C for longer periods of time.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid multiple freeze-thaw cycles.                                                                           |

## Applications

- SDS-PAGE

## Gene Info — ANGPTL3

|                           |                        |
|---------------------------|------------------------|
| <b>Entrez GeneID</b>      | <a href="#">27329</a>  |
| <b>Protein Accession#</b> | <a href="#">Q9Y5C1</a> |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | ANGPTL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Alias         | ANGPT5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description   | angiopoietin-like 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">604774</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary       | <p>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. [provided by RefSeq]</p> |
| Other Designations | OTTHUMP00000010719 angiopoietin 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Disease

- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipoproteinemias](#)
- [Hypertriglyceridemia](#)
- [Lipid Metabolism Disorders](#)
- [Obesity](#)