

## ANGPTL3/Angiopoietin-like 3 Protein, Human (204a.a, HEK293, His)

<b>Cat. No.:</b>	HY-P7505
<b>Synonyms:</b>	rHuAngiopoietin-like Protein 3, His; ANGPTL3; Angiopoietin-like Protein 3
<b>Species:</b>	Human
<b>Source:</b>	HEK 293
<b>Accession:</b>	Q9Y5C1 (S17-P220)
<b>Gene ID:</b>	27329
<b>Molecular Weight:</b>	Approximately 30.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> S R I D Q D N S S F   D S L S P E P K S R   F A M L D D V K I L   A N G L L Q L G H G L K D F V H K T K G   Q I N D I F Q K L N   I F D Q S F Y D L S   L Q T S E I K E E E K E L R R T T Y K L   Q V K N E E V K N M   S L E L N S K L E S   L L E E K I L L Q Q K V K Y L E E Q L T   N L I Q N Q P E T P   E H P E V T S L K T   F V E K Q D N S I K D L L Q T V E D Q Y   K Q L N Q Q H S Q I   K E I E N Q L R R T   S I Q E P T E I S L S S K P H H H H H H           </pre>
<b>Biological Activity</b>	Data is not available.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O or PBS.
<b>Storage &amp; Stability</b>	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>Angiopoietin-like proteins (ANGPTLs) represent a family of eight secreted glycoproteins that show structural homology to angiopoietins and carry distinct physiological functions, including putative roles in lipid metabolism, expansion of stem cells, inflammation, tissue remodeling and angiogenesis. In recent years, three ANGPTLs, ANGPTL3, ANGPTL4 and ANGPTL8, have been shown to play a role in lipid metabolism and in the regulation of plasma lipid levels. The discovery of ANGPTL3 deficiency in mice and humans has stimulated a series of studies which have clarified the role of ANGPTL3 in</p>
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lipoprotein metabolism. These investigations have suggested that ANGPTL3 may be a novel therapeutic target in the management of dyslipidemias in humans. The results of recent intervention trials aimed at inhibiting ANGPTL3 appear to support this hypothesis.

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## REFERENCES

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- [1]. Tarugi P, et al. Angiotensin-like protein 3 (ANGPTL3) deficiency and familial combined hypolipidemia. J Biomed Res. 2019 Apr 22;33(2):73-81.
- [2]. Zeng L, et al. Identification of a novel human angiotensin-like gene expressed mainly in heart. J Hum Genet. 2003;48(3):159-62.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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