

ANGPTL8/Angiopoietin-like 8 Protein, Mouse (H40A, Q44A, Q47A, His)

Cat. No.:	HY-P700633
Synonyms:	rHuAngiopoietin-like Protein 8, N-Fc; ANGPTL8; Betatrophin; C19orf81; Angiopoietin-like Protein 8
Species:	Mouse
Source:	E. coli
Accession:	Q8R1L8 (V16-A198, H40A, Q44A, Q47A)
Gene ID:	624219
Molecular Weight:	21.3 kDa

PROPERTIES

AA Sequence	<pre> V R P A P V A P L G G P E P A Q Y E E L T L L F A G A L A L G A A L N G V Y R A T E A R L T E A G H S L G L Y D R A L E F L G T E V R Q G Q D A T Q E L R T S L S E I Q V E E D A L H L R A E A T A R S L G E V A R A Q Q A L R D T V R R L Q V Q L R G A W L G Q A H Q E F E T L K A R A D K Q S H L L W A L T G H V Q R Q Q R E M A E Q Q Q W L R Q I Q Q R L H T A A L P A </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>ANGPTL8, known as a blood lipid regulator, plays a pivotal role in controlling serum triglyceride levels. This hormone is implicated in orchestrating the metabolic transition between fasting and refeeding, facilitating the directed storage of fatty acids in adipose tissue during the fed state. While its precise mechanism is not fully elucidated, ANGPTL8 has been suggested to promote ANGPTL3 cleavage according to one report, although another study contradicts this claim by stating that ANGPTL8 is not required for ANGPTL3 cleavage. Notably, ANGPTL8 engages in interactions with ANGPTL3, further contributing to its regulatory functions in lipid metabolism.</p>
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REFERENCES

[1]. Jorge F. Haller, et al. ANGPTL8 requires ANGPTL3 to inhibit lipoprotein lipase and plasma triglyceride clearance. J Lipid Res. 2017 Jun; 58(6): 1166-1173.

Caution: Product has not been fully validated for medical applications. For research use only.

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