

ANGPTL3/Angiotensin-like 3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P7504
Synonyms:	rMuAngiotensin-like Protein 3, His; ANGPTL3; Angiotensin-like Protein 3
Species:	Mouse
Source:	HEK293
Accession:	Q9R182 (S17-T206)
Gene ID:	30924
Molecular Weight:	25-30 kDa

PROPERTIES

AA Sequence	<pre> SRVDPDLSSF DSAPSEPKSR FAMLDDVKIL ANGLLQLGHG LKDFVHKTKG QINDIFQKLN IFDQSFYDLS LRTNEIKEEE KELRRTTSTL QVKNEEVKNM SVELNSKLES LLEEK TALQH KVRALLEEQLT NLI LSPAGA Q EHPEVTS LKS FVEQQDNSIR ELLQSVEEQY KQLSQQHMQ I KEIEKQLRKT HHHHHH </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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>ANGPTL3/Angiotensin-like 3 Protein is a 70 kDa 460-amino acid long secretory glycoprotein primarily expressed in the liver. Mature mouse ANGPTL3 contains an N-terminal coiled-coil domain and a C-terminal fibrinogen-like domain. ANGPTL3 is implicated in angiogenesis and atherogenesis. ANGPTL3 can regulate serum lipid levels by acting on lipoprotein lipase- (LPL-) and endothelial lipase- (EL-) mediated triglyceride (TG) and phospholipid hydrolysis. Serum ANGPTL3 levels could serve as a biomarker for future occurrence of major adverse cardiovascular events (MACEs) with coronary artery disease (CAD). ANGPTL3 acts as proangiogenic and could induce angiogenesis in vivo via binding of the C-terminal fibrinogen-like domain to the integrin αvβ3 receptor on vascular endothelial cells^[1].</p>
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REFERENCES

[1]. Chen MC, et al. High-Serum Angiotensin-Like Protein 3 Levels Associated with Cardiovascular Outcome in Patients with Coronary Artery Disease. Int J Hypertens. 2020 Mar 27;2020:2980954.

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

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