

Apolipoprotein M/APOM Protein, Human (HEK293, His)

Cat. No.:	HY-P7536
Synonyms:	rHuApolipoprotein M, His; ApoM; Apolipoprotein M
Species:	Human
Source:	HEK293
Accession:	O95445-1 (M1-N188)
Gene ID:	55937
Molecular Weight:	19-24 kDa

PROPERTIES

AA Sequence	<p>C P E H S Q L T T L G V D G K E F P E V H L G Q W Y F I A G A A P T K E E L A T</p> <p>F D P V D N I V F N M A A G S A P M Q L H L R A T I R M K D G L C V P R K W I Y</p> <p>H L T E G S T D L R T E G R P D M K T E L F S S S C P G G I M L N E T G Q G Y Q</p> <p>R F L L Y N R S P H P P E K C V E E F K S L T S C L D S K A F L L T P R N Q E A</p> <p>C E L S N N</p>
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>Apolipoprotein E (apoE) is a 34-kDa glycoprotein that is a surface component of various plasma lipoprotein particles including chylomicron remnants, β-migrating VLDL (β-VLDL), LDL, and a subclass of HDL. ApoE mediates high-affinity binding of apoE-containing lipoproteins to cell surface endocytic receptors during the transport and metabolism of plasma cholesterol (Chol) and triglycerides (TG). HEK-apoE is a ligand for low-density lipoprotein (LDL) receptor-related protein (LRP) but not the LDL receptor^[1].</p>
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REFERENCES

[1]. LaDu MJ, et al. Self-assembly of HEK cell-secreted ApoE particles resembles ApoE enrichment of lipoproteins as a ligand for the LDL receptor-related protein. *Biochemistry*. 2006 Jan 17;45(2):381-90.

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

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