

ApoA-IV Protein, Human (HEK293, His)

Cat. No.:	HY-P7528
Synonyms:	rHuApolipoprotein A-IV, His; ApoA4; Apolipoprotein A-IV
Species:	Human
Source:	HEK293
Accession:	P06727 (E21-S396)
Gene ID:	337
Molecular Weight:	Approximately 46.0 kDa

PROPERTIES

AA Sequence	<pre> E V S A D Q V A T V M W D Y F S Q L S N N A K E A V E H L Q K S E L T Q Q L N A L F Q D K L G E V N T Y A G D L Q K K L V P F A T E L H E R L A K D S E K L K E E I G K E L E E L R A R L L P H A N E V S Q K I G D N L R E L Q Q R L E P Y A D Q L R T Q V N T Q A E Q L R R Q L T P Y A Q R M E R V L R E N A D S L Q A S L R P H A D E L K A K I D Q N V E E L K G R L T P Y A D E F K V K I D Q T V E E L R R S L A P Y A Q D T Q E K L N H Q L E G L T F Q M K K N A E E L K A R I S A S A E E L R Q R L A P L A E D V R G N L R G N T E G L Q K S L A E L G G H L D Q Q V E E F R R R V E P Y G E N F N K A L V Q Q M E Q L R Q K L G P H A G D V E G H L S F L E K D L R D K V N S F F S T F K E K E S Q D K T L S L P E L E Q Q Q E Q Q Q E Q Q Q E Q V Q M L A P L E S H H H H H H </pre>
Appearance	Lyophilized powder
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.2.
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	Human apolipoprotein (apo) A-IV, a 46 kd protein, is capable of serving as a cofactor for the enzyme lecithin: cholesterol acyltransferase (LCAT), to bind to apo A-I/A-II receptor sites on mouse adipose cells and thereby promote cellular
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cholesterol efflux^[1].

REFERENCES

[1]. A.Steinmetz, et al. Funktion von rekombinantem menschlichem Apolipoprotein A-IV aus Escherichia coli.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA