Apolipoprotein A-II/APOA2 Protein, Human (HEK293, His)

Cat. No.:	HY-P7527
Synonyms:	rHuApolipoprotein A-II, His; ApoA2; Apolipoprotein A-II
Species:	Human
Source:	HEK293
Accession:	P02652 (Q24-Q100)
Gene ID:	336
Molecular Weight:	10-15 kDa

PROPERTIES

AA Sequence	Q A K E P C V E S L V S Q Y F Q T V T D Y G K D L M E K V K S P E L Q A E A K S Y F E K S K E Q L T P L I K K A G T E L V N F L S Y F V E L G T Q P A T Q H H H H H H
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	Recombinant apoA-II is comparable to the plasma form in its ability to bind and reorganize lipid and promote cholesterol efflux from macrophages via the ATP binding cassette transporter A1. Synthesized primarily in the liver, apoA-II is a 77 amino acid protein with a single cysteine at position. In healthy humans, apoA-II exists almost entirely as a disulfide-linked homodimer (molecular mass, 17.4 kDa), though it can be occasionally found as a heterodimer with other Cys-containing proteins[1].

REFERENCES

[1]. Smith LE, et al. High yield expression and purification of recombinant human apolipoprotein A-II in Escherichia coli. J Lipid Res. 2012 Aug;53(8):1708-15.

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