

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 after extensive dialysis against 20 mM PB, 150 mM NaCl, 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 or PBS.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. 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] .
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REFERENCES

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

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