

## Clusterin/APOJ Protein, Human (HEK293, Fc-His)

<b>Cat. No.:</b>	HY-P7535
<b>Synonyms:</b>	rHuApolipoprotein J, C-Fc-His; ApoJ; Clusterin; CLU; CLI; KUB1; Apolipoprotein J
<b>Species:</b>	Human
<b>Source:</b>	HEK 293
<b>Accession:</b>	P10909 (D23-E449)
<b>Gene ID:</b>	1191
<b>Molecular Weight:</b>	Approximately 38 kDa & 75 kDa & 105-120 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> D Q T V S D N E L Q   E M S N Q G S K Y V   N K E I Q N A V N G   V K Q I K T L I E K T N E E R K T L L S   N L E E A K K K K E   D A L N E T R E S E   T K L K E L P G V C N E T M M A L W E E   C K P C L K Q T C M   K F Y A R V C R S G   S G L V G R Q L E E F L N Q S S P F Y F   W M N G D R I D S L   L E N D R Q Q T H M   L D V M Q D H F S R A S S I I D E L F Q   D R F F T R E P Q D   T Y H Y L P F S L P   H R R P H F F F P K S R I V R S L M P F   S P Y E P L N F H A   M F Q P F L E M I H   E A Q Q A M D I H F H S P A F Q H P P T   E F I R E G D D D R   T V C R E I R H N S   T G C L R M K D Q C D K C R E I L S V D   C S T N N P S Q A K   L R R E L D E S L Q   V A E R L T R K Y N E L L K S Y Q W K M   L N T S S L L E Q L   N E Q F N W V S R L   A N L T Q G E D Q Y Y L R V T T V A S H   T S D S D V P S G V   T E V V V K L F D S   D P I T V T V P V E V S R K N P K F M E   T V A E K A L Q E Y   R K K H R E E H H H   H H H </pre>
<b>Biological Activity</b>	Data is not available.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O or PBS.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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## Background

Apolipoprotein J (apoJ), also known as clusterin (CLU), which is tightly associated with both lipid and apoA1 in HDLs in blood, has been proposed as such biomarker through numerous researches. In the process of relieving atherosclerosis, apoJ can promote cholesterol and phospholipid export from macrophage-foam cells, and exhibit cytoprotective and anti-inflammatory actions by interacting with lots of known inflammatory proteins which may predict the onset of clinical cardiovascular events and may actually play a causal role in mediating atherosclerotic disease such as C-reactive protein, paraoxonase, and leptin<sup>[1]</sup>.

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## REFERENCES

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[1]. Yang N, et al. Apolipoprotein J: A New Predictor and Therapeutic Target in Cardiovascular Disease? Chin Med J (Engl). 2015 Sep 20;128(18):2530-4.

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

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