

Clusterin/APOJ Protein, Human (HEK293, His)

Cat. No.:	HY-P7895
Synonyms:	rHuClusterin/APOJ, His ; Clusterin; Aging-Associated Gene 4 Protein; Apolipoprotein J; Apo-J; Complement Cytolysis Inhibitor; CLI; Complement-Associated Protein SP-40; Ku70-Binding Protein 1; NA1/NA2; Testosterone-Repressed Prostate Message 2; TRPM-2; CLU; APOJ; CLI; KUB1
Species:	Human
Source:	HEK293
Accession:	P10909 (D23-E449)
Gene ID:	1191
Molecular Weight:	Approximately (28-40)& 60.96 kDa

PROPERTIES

AA Sequence	<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 </pre>
Biological Activity	Measured by its ability to induce clustering of Caki-2 human clear cell carcinoma epithelial cells.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 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. 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

Clusterin is a ubiquitously and constitutively expressed protein found in a wide range of tissues and bodily fluids. Clusterin's ability to interact and bind to A β appears to alter aggregation and promote A β clearance, suggesting a neuroprotective role [1].

REFERENCES

[1]. Evangeline M Foster, et al. Clusterin in Alzheimer's Disease: Mechanisms, Genetics, and Lessons From Other Pathologies. Front Neurosci. 2019 Feb 28;13:164.

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

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