

Clusterin Protein, Human, Recombinant (His)

General Information

Synonyms:	Clusterin;Ku70-Binding Protein 1;Apo-J;Testosterone-Repressed Prostate Message 2; Complement Cytolysis Inhibitor;APOJ;KUB1;AAG4;CLU;CLI;TRPM-2;40;Complement-Associated Protein SP-40;Apolipoprotein J;Aging-Associated Gene 4 Protein;NA1/NA2
Protein Construction:	Asp23-Glu449
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P10909-1
Molecular Weight:	38-41 kDa (reducing condition)
AA Sequence:	Asp23-Glu449

QC Testing

Biological Activity:	Immobilized Human Clusterin, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-Clusterin Antibody, hFc Tag with the EC50 of 9.0 ng/ml determined by ELISA (QC Test).
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Clusterin is a secreted protein which belongs to the Clusterin family. Clusterin is expressed in adult testis, heart, ovary, adrenal gland, brain and liver. Clusterin has been suggested to be involved in several basic biological

events such as cell death, tumor progression, and neurodegenerative disorders. In addition, Clusterin is up/ down regulated on the mRNA or protein level in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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