

Clusterin Protein, Human, Recombinant (hFc & His)

General Information

Synonyms:	CLU;NA1/NA2;TRPM-2;40;Apo-J;Clusterin;Complement Cytolysis Inhibitor;Apolipoprotein J; CLI;KUB1;AAG4;Complement-Associated Protein SP-40;APOJ;Testosterone-Repressed Prostate Message 2;Ku70-Binding Protein 1;Aging-Associated Gene 4 Protein;SGP-2
Protein Construction:	Asp23-Glu449
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P10909
Molecular Weight:	(33-45)&(60-85) KDa (reducing condition)
AA Sequence:	Asp23-Glu449

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM PB, 150 mM NaCl, pH 7.4.

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

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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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