

Human Clusterin

Cat. No. CLU-3661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native protein purified from human plasma.
Species	Human
Description	Clusterin is a 75-80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis. In humans, clusterin is encoded by the CLU gene.
Form	Filtered (0,4 µm) and lyophilized from PBS, pH 7.5.
Research topic	Others; Renal disease; Sepsis
Purity	>95%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS-PAGE to determine purity of the protein
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name	CLU clusterin [Homo sapiens]
Official Symbol	CLU
Synonyms	CLU; clusterin; CLI; AAG4; APOJ; KUB1; SGP2; SGP-2; SP-40; TRPM2; TRPM-2; MGC24903; apo-J; NA1/NA2; apolipoprotein J; OTTHUMP00000128311; OTTHUMP00000225247; OTTHUMP00000225248; OTTHUMP00000225249; ku70-binding protein 1; sulfated glycoprotein 2; aging-associated protein 4; complement lysis inhibitor; complement cytolysis inhibitor; complement-associated protein SP-40,40; testosterone-repressed prostate message 2
Gene ID	1191
mRNA Refseq	NM_203339
Protein Refseq	NP_976084
MIM	185430
UniProt ID	P10909
Chromosome Location	8p21-p12
Pathway	Formation of Platelet plug; Hemostasis; Platelet Activation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺ ; Validated targets of C-MYC

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transcriptional repression

Function

NOT ATPase activity; misfolded protein binding; ubiquitin protein ligase binding;
ubiquitin protein ligase binding

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