

Human Clusterin Protein

Cat. No. CLN-HM101



Description

Source	Recombinant Human Clusterin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp23-Glu449.
Accession	P10909-1
Molecular Weight	The protein has a predicted MW of 51.2 kDa. The protein migrates to 38-41 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

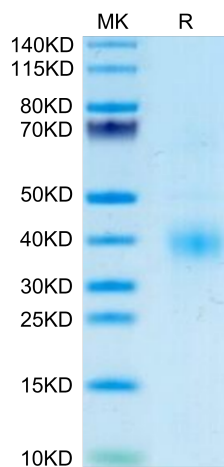
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Clusterin (CLU) is a stress-activated, ATP-independent molecular chaperone, normally secreted from cells, that is up-regulated in Alzheimer disease and in many cancers. It plays important roles in protein homeostasis/proteostasis, inhibition of cell death pathways, and modulation of pro-survival signalling and transcriptional networks. Changes in the CLU gene locus are highly associated with Alzheimer disease, and many therapy-resistant cancers over-express CLU.

Assay Data

Bis-Tris PAGE

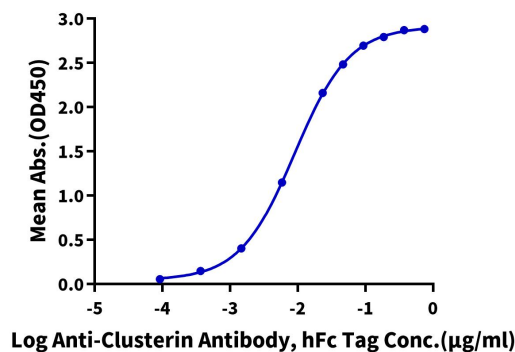


Human Clusterin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human Clusterin, His Tag ELISA

0.1µg Human Clusterin, His Tag Per Well



Immobilized Human Clusterin, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Clusterin Antibody, hFc Tag with the EC50 of 9.0ng/ml determined by ELISA (QC Test).