Mouse Clusterin Protein

Cat. No. CLN-MM101

Description

Source	Recombinant Mouse Clusterin Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Glu22-Glu448.
Accession	Q06890
Molecular Weight	The protein has a predicted MW of 50.4 kDa. Due to autocatalytic cleavage, the protein migrates to 35-40 kDa and 43-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

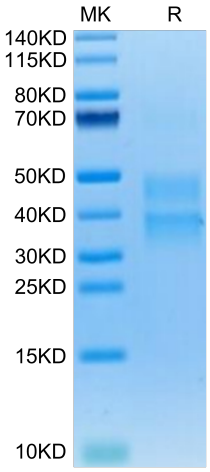
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days 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

Tris-Bis PAGE



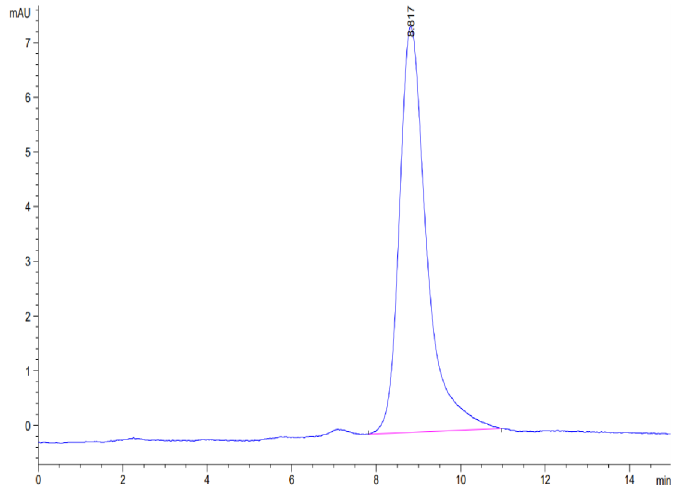
Mouse Clusterin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse Clusterin Protein

Cat. No. CLN-MM101

Assay Data



The purity of Mouse Clusterin is greater than 95% as determined by SEC-HPLC.