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Datasheet for ABIN7274369

## Clusterin Protein (CLU) (AA 22-448) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	Clusterin (CLU)
Protein Characteristics:	AA 22-448
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Clusterin protein is labelled with His tag.

#### Product Details

Purpose:	Mouse Clusterin Protein
Sequence:	Glu22-Glu448
Characteristics:	Recombinant Mouse Clusterin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu22-Glu448.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	Clusterin (CLU)
Alternative Name:	Clusterin ( <a href="#">CLU Products</a> )

## Target Details

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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.
Molecular Weight:	50.4 kDa. Due to autocatalytic cleavage, the protein migrates to 35-40 kDa and 43-50 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q06890</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

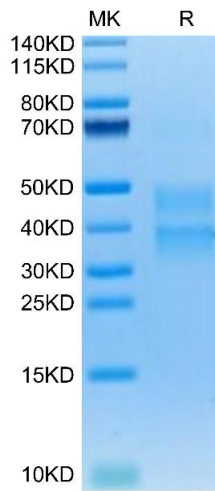
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Restrictions:	For Research Use only
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## Handling

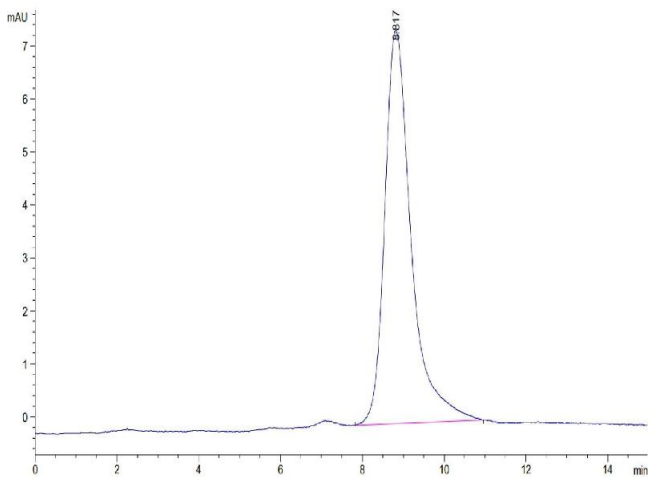
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



### SDS-PAGE

**Image 1.** Mouse Clusterin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse Clusterin is greater than 95 % as determined by SEC-HPLC.