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Datasheet for ABIN1344140

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

### Overview

Quantity:	50 µg
Target:	Clusterin (CLU)
Protein Characteristics:	Nuclear, AA 22-448
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Clusterin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Cross-Reactivity:	Mouse (Murine)
Characteristics:	Mouse nuclear clusterin (aa 22-448) is fused at the C-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<1EU/µg purified protein (LAL test, Lonza).

### Target Details

Target:	Clusterin (CLU)
Alternative Name:	Clusterin ( <a href="#">CLU Products</a> )
Background:	Clusterin shares homology with the small heat shock protein family of molecular chaperones.

## Target Details

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The mature secreted form of the protein is a glycosylated, 80- kDa disulfide-linked heterodimer of alpha and beta subunits (produced by internal cleavage). Clusterin is expressed in virtually all tissues and found in all human fluids. It is involved in numerous physiological processes important for carcinogenesis and tumor growth, including apoptotic cell death, cell cycle regulation, DNA repair, cell adhesion, tissue remodeling, lipid transportation, membrane recycling, and immune system regulation. Clusterin also exists as a nuclear protein. The secreted form of Clusterin has extracellular chaperone and anti-apoptotic activities while the nuclear form acts as a proapoptotic factor.

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Molecular Weight: ~45kDa (SDS-PAGE)

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UniProt: [Q549A5](#)

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Pathways: [Apoptosis](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: 0.2µm-filtered solution in 55 mM TRIS-Cl, pH 8.2, containing 150 mM NaCl.

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Storage: 4 °C,-20 °C

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Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Working aliquots are stable for up to 3 months when stored at -20°C.

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Expiry Date: 3 months