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Datasheet for ABIN5564496

## Clusterin Protein (CLU) (AA 1-449, Secretory Component) (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Target:	Clusterin (CLU)
Protein Characteristics:	AA 1-449, Secretory Component
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Clusterin protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

### Product Details

Cross-Reactivity:	Human
Characteristics:	Signal peptide sequence and the human secretory clusterin (aa 1-449) are fused at the C-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/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: 80kDa (under non-reducing conditions), 39kDa and 40kDa (under reducing conditions) (by SDS-PAGE).

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UniProt: [P10909](#)

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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: Solid

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Concentration: Lot specific

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Buffer: Lyophilized. Contains PBS.

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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  
Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

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Expiry Date: 6 months