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Datasheet for ABIN1344142 Clusterin Protein (CLU) (AA 23-449, Nuclear) (His tag)

Publication



Overview

Quantity:	50 µg
Target:	Clusterin (CLU)
Protein Characteristics:	Nuclear, AA 23-449
Origin:	Human
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:	Human
Characteristics:	Human nuclear clusterin (aa 23-449) 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 (CLU Products)
Background:	Clusterin shares homology with the small heat shock protein family of molecular chaperones.

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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.
Molecular Weight:	~45kDa (SDS-PAGE)
UniProt:	P10909
Pathways:	Apoptosis, Negative Regulation of intrinsic apoptotic Signaling
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in 55 mM TRIS-Cl, pH 8.2, containing 150 mM NaCl.
Storage:	4 °C,-20 °C
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.
Expiry Date:	3 months
Publications	
Product cited in:	Atsriku, Hoffmann, Moghaddam, Kumar, Surapaneni: "In vitro metabolism of a novel JNK
	inhibitor tanzisertib: interspecies differences in oxido-reduction and characterization of
	enzymes involved in metabolism." in: Xenobiotica; the fate of foreign compounds in biological

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