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Datasheet for ABIN1691610

Clusterin Protein (CLU) (AA 23-449) (His tag,Fc Tag)

1 Publication

Overview

Quantity:	50 µg
Target:	Clusterin (CLU)
Protein Characteristics:	AA 23-449
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Clusterin protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human Clusterin/ApoJ (C-Fc-6His)
Sequence:	DQTVSDNELQ EMSNQGSKYV NKEIQNAVNG VKQIKTLIEK TNEERKTLLS NLEEAKKKKE DALNETRESE TKLKELPGVC NETMMALWEE CKPCLKQTCM KFYARVCRSG SGLVGRQLEE FLNQSSPFYF WMNGDRIDSL LENDRQQTHM LDVMQDHF SR ASSIIDELFQ DRFFTREPQD TYHYLPFSLP HRRPHFFFPK SRIVRSLMPF SPYEPLNFHA MFQPFLEMIH EAQQAMDIHF HSPAFQHPPT EFIREGDDDR TVGREIRHNS TGCLRMKDQC DKCREILSVD CSTNNPSQAK LRREDESLQ VAERLTRKYN ELLKSYQWKM LNTSSLLEQL NEQFNWVSRL ANLTQGEDQY YLRVTTVASH TSDSDVPSGV TEVVVKLFDS DPITVTPVE VSRKNPKFME TVA EKALQEY RKKHREEVDD IEGRMDEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSREEMT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH

Product Details

Characteristics:	Recombinant Human Clusterin is produced by our mammalian expression system. The target protein is expressed with sequence (Asp23-Glu449) of Human CLU fused with a FC-6xHis tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Clusterin (CLU)
Alternative Name:	CLU (CLU Products)
Sub Type:	Fusionprotein
Background:	<p>Clusterin is a secreted protein which belongs to the Clusterin family. Clusterin is expressed in adult testis, heart, ovary, adrenal gland, brain and liver. Clusterin has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders. In addition, Clusterin is up/ down regulated on the mRNA or protein level in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others.</p> <p>Alternative Names: Clusterin, Aging-Associated Gene 4 Protein, Apolipoprotein J, Apo-J, Complement Cytolysis Inhibitor, CLI, Complement-Associated Protein SP-40,40, Ku70-Binding Protein 1, NA1/NA2, Testosterone-Repressed Prostate Message 2, TRPM-2, CLU, APOJ, CLI, KUB1</p>
Molecular Weight:	78 kDa
UniProt:	P10909
Pathways:	Apoptosis , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Handling

Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	5 months

Publications

Product cited in:	Son, Diamond, Volpe, Aranow, Mackay, Santiago-Schwarz: "Evidence for C1q-mediated crosslinking of CD33/LAIR-1 inhibitory immunoreceptors and biological control of CD33/LAIR-1 expression." in: Scientific reports , Vol. 7, Issue 1, pp. 270, (2017) (PubMed).
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