

Recombinant Canine Clusterin, His-tagged

Cat. No. CLU-1318C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine Clusterin protein (23-445 aa) with N-His tag was expressed in E. coli.
Species	Canine
Source	E.coli
ProteinLength	23-445 aa
Description	This gene encodes a protein that is similar to the human clusterin protein, a secreted chaperone that can also be found in the cell cytosol under certain stress conditions. The human protein has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders.
Form	Lyophilized from PBS, pH7.5
Molecular Mass	51 kDa
AASequence	MKHHHHHHASDQAVSDTELQEMSTEGSKYINKEIKNALKGVKQIKTLIEQTNEERKS LLSNLEEAKKKKEDALNDTKDSETKLKASQGVVCNDTMMALWEECKPCLKQTCMKFY ARVCRSGSGLVGHQLEEFNLQSSPFYFWMNGDRIDSLLENDRQQTHALDVMQDSF NRASSIMDELFQDRFFTREPQDTYHYSFSLFQRRPFFNPKFRIARNIIPFPRFQPLN FHDMFQPFDFMIHQAAQAMDVNLHRIPTYHFPIEFPEEDNRTVCKEIRHNSTGCLKMK DQCEKCQEILSVDCSSNPAQVQLRQELSNLQIAEKFTKLYDELLQSYQEKMFNTS SLLKQLNEQFSWVSQLANLTQSEDPFYLVQTTVGSQTSDSNVPVGFTKVVKLFDS

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DPITVMIPEAVSRNNPKFMETVAEKALQEYRQKHREE

Endotoxin <1 EU/μg by LAL

Purity >95% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name CLU clusterin [*Canis lupus familiaris* (dog)]

Official Symbol CLU

Synonyms CLU; clusterin; GP80; clusterin; clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J); glycoprotein 80

Gene ID 442971

mRNA Refseq NM_001003370

Protein Refseq NP_00100337

UniProt ID P25473

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