

Recombinant Human CLU, His-tagged

Cat. No. CLU-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Clusterin Human contains a total 454 amino acids and a calculated molecular mass of 53058Da. The AA sequence (AA 1-427) is identical to Swiss-Prot-P10909 (AA 23-449, secreted Human Clusterin). C-terminal His tag 27AA (bold).
Species	Human
Source	HEK293
ProteinLength	1-427;23-449 a.a.
Description	The protein encoded by this gene is a secreted chaperone that can under some stress conditions also be found in the cell cytosol. It has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders. Alternate splicing results in both coding and non-coding variants.
Form	Filtered (0.4 micron) and lyophilized PBS, pH 7.5.
AA Sequence	DQTVSDNELQ EMSNQGSKYV NKEIQNAVNG VKQIKTLIEK TNEERKTLLS NLEEAKKKKE DALNETRESE TKLKELPGVC NETMMALWEE CKPCLKQTCM KFYARVCRSGS GLVGRQLEE FLNQSSPFYF WMNGDRIDSL LENDRQQTHM LDVMQDHFSRA SSIIDELFQ DRFFTREPQD TYHYLPFSLP HRRPHFFFPK SRIVRSLMPF SPYEPLNFHA MFQPFLEMIH EAQQAMDIHF HSPAFQHPPT EFIREGDDDR TVCREIRHNS TGCLRMKDQC DKCREILSVD CSTNNPSQAKLRRELDLQ VAERLTRKYN ELLKSYQWKM LNTSSLLEQL

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NEQFNWVSRL ANLTQGEDQYYLRVTTVASH TSDSDVPSGV TEVVVKLFDS
DPITVTVPVE VSRKNPKFME TVA EKALQEY RKKHREEGSL GSGWSHPQFE
KTGHHHHHHH HGGQ.

Purity Greater than 95% (SDS PAGE analyzed).

Stability Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized protein remains stable until the expiry date when stored at -20°C.

Reconstitution Add 0.2 ml of deionized H₂O and let the lyophilized pellet dissolve completely.

GENE INFORMATION

Gene Name [CLU clusterin \[Homo sapiens \(human\) \]](#)

Official Symbol CLU

Synonyms CLU; CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2; clusterin; apolipoprotein J; ku70-binding protein 1; sulfated glycoprotein 2; aging-associated protein 4; complement lysis inhibitor; complement cytolysis inhibitor; complement-associated protein SP-40,40; testosterone-repressed prostate message 2

Gene ID [1191](#)

mRNA Refseq [NM_001831](#)

Protein Refseq [NP_001822](#)

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MIM	185430
UniProt ID	P10909
Chromosome Location	8p21-p12
Pathway	Platelet activation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺
Function	NOT ATPase activity; misfolded protein binding; ubiquitin protein ligase binding

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