

Recombinant Human CLU, His-tagged

Cat. No. CLU-26748TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Full length recombinant Apolipoprotein J produced in 293 cell line with C-terminal His tag; 454 amino acids, 53kDa.
Species	Human
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.
Conjugation	HIS
Tissue specificity	Detected in blood plasma, cerebrospinal fluid, milk, seminal plasma and colon mucosa. Detected in the germinal center of colon lymphoid nodules and in colon parasympathetic ganglia of the Auerbach plexus (at protein level). Ubiquitous. Detected in brain,
Form	Lyophilised: Add 0.2 ml of deionized H ₂ O and let the lyophilized pellet dissolve completely. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: PBS, pH 7.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	DQTVSDNELQ EMSNQGSKYV NKEIQNAVNG VKQIKTLIEK TNEERKTLLS NLEEAKKKKE DALNETRESE TKLKELPGVC NETMMALWEE CKPCLKQTCM KFYARVCRSGS GLVGRQLEE FLNQSSPFYF WMNGDRIDSL LENDRQQTHM LDVMQDHFSRA SSIIDELFQ DRFFTREPQD TYHYLPFSLP HRRPHFFFPK SRIVRSLMPF SPYEPLNFHA MFQPFLEMIH EAQQAMDIHF HSPAFAQHPPT EFIREGDDDR TVCREIRHNS TGCLRMKDQC DKCREILSVD CSTNNPSQAKLRRELESLQ VAERLTRKYN ELLKSYQWKM LNTSSLLEQL NEQFNWVSRL ANLTQGEDQYYLRVTTVASH TSDSDVPSGV TEVVVKLFDS DPITVTVPVE VSRKNPKFME TVA EKALQEY RKKHREEGSL GSGWSHPQFE KTGHHHHHHH HGGQ
Sequence Similarities	Belongs to the clusterin family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CLU clusterin [Homo sapiens]
Official Symbol	CLU
Synonyms	CLU; clusterin; APOJ, CLI, clusterin (complement lysis inhibitor, SP 40,40, sulfated glycoprotein 2, testosterone repressed prostate message 2, apolipoprotein J); apolipoprotein J; complement lysis inhibitor; KUB1; SGP 2; SP 40; sulfated glycoprotein 2;
Gene ID	1191

mRNA Refseq	NM_001831
Protein Refseq	NP_001822
MIM	185430
Uniprot ID	P10909
Chromosome Location	8p21-p12
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca ²⁺ , organism-specific biosystem; Validated targets of C-MYC transcriptional repression, organism-specific biosystem;
Function	NOT ATPase activity; misfolded protein binding; misfolded protein binding; protein binding; ubiquitin protein ligase binding;

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