Active Recombinant Human CLU, His-tagged

Cat. No. CLU-722H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLU (Accession # NP_001822) Asp23-Arg227 (beta) & Ser228-Glu449 (alpha), fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	23-227 a.a.
Predicted N Terminal	Ser228 (alpha chain) & Asp23 (beta chain)
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its ability to induce clustering of Caki-2 human clear cell carcinoma epithelial cells. Schwochau, G. et al. (1998) Kidney Int. 53:1647.The ED50 for this effect is approximately 0.3 μg/mL in the presence of 25 ng/mL of Recombinant Rat GDNF.
Molecular Mass	Recombinant Human CLU, His-tagged has a calculated MW of 26.7 kDa (alpha chain) and 24.2 kDa (beta chain). In SDS-PAGE migrates as 40 kDa and 39 kDa, under reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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; testosterone repressed prostate message 2; TRPM 2; ku70-binding protein 1; aging-associated protein 4; complement cytolysis inhibitor; complement-associated protein SP-40,40; testosterone-repressed prostate message 2; CLI; AAG4; APOJ; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2; MGC24903;
Gene ID	1191
mRNA Refseq	NM_001831
Protein Refseq	NP_001822
MIM	185430
UniProt ID	P10909
Chromosome Location	8p21-p12

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