

Active Recombinant Full Length Human CLU Protein, C-Flag-tagged

Cat. No. CLU-273HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CLU Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Probe target
Molecular Mass	57.7 kDa
AA Sequence	MQVCSQPQRGCVREQSAINTAPPSAHNAASPGGARGHRVPLTEACKDSRIGGMMK TLLLFVGLLLTWESG QVLGDQTVSDNELQEMSNQGSKYVNKEIQNAVNGVKQIKTLI EKTNEERKTLLSNLEEAKKKKEDALNET RESETKLKELPGVCNETMMALWEECKPC LKQTCMKFYARVCRSGSLVGRQLEEFLNQSSPFYFWMNGDR IDSLENDRQQTH MLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRRPHFFFFPKSRIVRS

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LMPFSPYEPLNFHAMFQPFLEMIHEAQQAMDIFHSPAFQHPPTEFIREGDDDDRTVC
 REIRHNSTGCLRM KDQCDKCREILSVDCSTNNPSQAKLRRELDLQVAERLTRKY
 NELLKSYQWKMLNTSSLLEQLNEQFNW VSRLANLTQGEDQYYLRVTTVASHTSDS
 DVPSGVTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKA
 LQEYRKKHREESGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

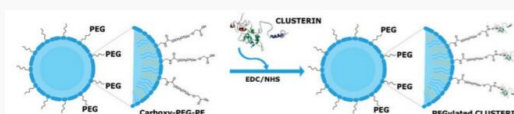
Gene Name	CLU clusterin [Homo sapiens (human)]
Official Symbol	CLU
Synonyms	CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2

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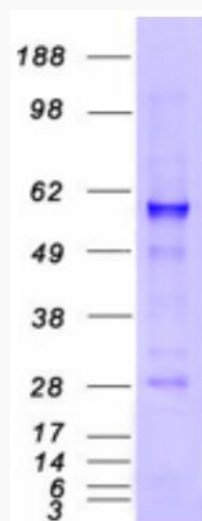
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Gene ID	1191
mRNA Refseq	NM_001831.4
Protein Refseq	NP_001822.3
MIM	185430
UniProt ID	P10909



Schematic representation of the conjugation reaction between PEG-functionalized liposomes and the protein CLU via a carboxy-to-amine reaction in the presence of the crosslinker and stabilizer EDC and NHS. CLU Protein CLU from was used in the conjugation reaction.



Coomassie blue staining of purified CLU protein.

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