

# Recombinant human Clusterin/CLU protein

Catalog Number: ATGP2574

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

23-449aa

### UniProt No.

P10909

### NCBI Accession No.

NP\_001822

### Alternative Names

Clusterin, CLI, AAG4, APOJ, KuB1, SGP2, SGP-2, SP-40, TRPM2, TRPM-2, MGC24903

## PRODUCT SPECIFICATION

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### Molecular Weight

54.1 kDa (463aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CLu, also known as clusterin, 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. Recombinant human CLu protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

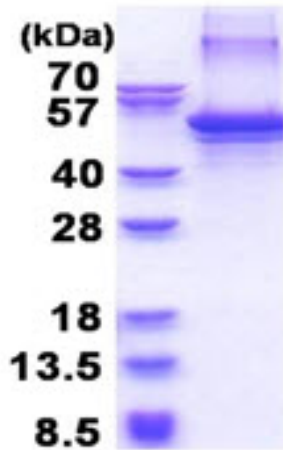
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSQTV SDNELQEMSN QGSKYVNKEI QNAVNGVKQI  
KTLEKTNEE RKTLLSNLEE AKKKKEDALN ETRESETKLK ELPGVCNETM MALWEECKPC LKQTCMKFYA RVCRCGSGLV  
GRQLEEFNLQ SSPFYFWMNG DRIDSLEND RQQTHMLDVM QDHFSRASSI IDELFQDRFF TREPQDTYHY LPFSLPHRRP  
HFFFPKSRIV RSLMPFSPYE PLNFHAMFQP FLEMIHEAQQ AMDIHFHSPA FQHPPTFIR EGDDDRTVCR EIRHNSTGCL  
RMKDQCDKCR EILSVDCSTN NPSQAKLRRE LDESLOVAER LTRKYNELLK SYQWKMLNTS SLLEQLNEQF NWVSRLANLT  
QGEDQYYLRV TTVASHTSDS DVPSGVTEVV VKLFSDPIT VTVPVEVSRK NPKFMETVAE KALQEYRKKH REE

## General References

Leskov K.S., et al. (2003) J. Biol. Chem. 278:11590-11600  
Takahashi M., et al. (2004) Oncogene. 23:9289-9294

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)