Recombinant human Clusterin/CLU protein

Catalog Number: ATGP2574

PRODUCT INFORMATION

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

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

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

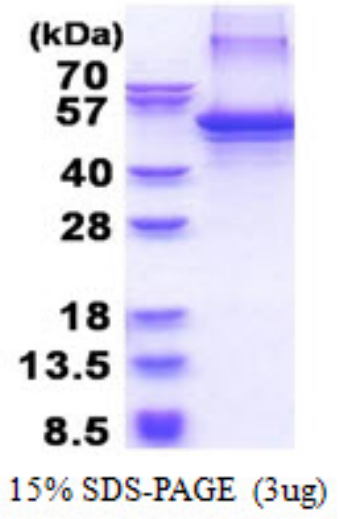
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSDQTV SDNELQEMSN QGSKYVNKEI QNAVNGVKQI KTLIEKTNEE RKTLLSNLEE AKKKKEDALN ETRESETKLK ELPGVCNETM MALWEECKPC LKQTCMKFYA RVCRSGSGLV GRQLEEFLNQ SSPFYFWMNG DRIDSLLEND RQQTHMLDVM QDHFSRASSI IDELFQDRFF TREPQDTYHY LPFSLPHRRP HFFFPKSRIV RSLMPFSPYE PLNFHAMFQP FLEMIHEAQQ AMDIHFHSPA FQHPPTEFIR EGDDDRTVCR EIRHNSTGCL RMKDQCDKCR EILSVDCSTN NPSQAKLRRE LDESLQVAER LTRKYNELLK SYQWKMLNTS SLLEQLNEQF NWVSRLANLT QGEDQYYLRV TTVASHTSDS DVPSGVTEVV VKLFDSDPIT 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.