

AR51394PU-S

Human Apolipoprotein J / Apo J (23-449, His-tag) - Purified

Alternate names:

40, 40, AAG4, APOJ, Aging-associated gene 4 protein, CLI, Clusterin, Complement cytolysis inhibitor, Complement-associated protein SP-40, KUB1, Ku70-binding protein 1, NA1/NA2, SP-40, Testosterone-repressed prostate message 2

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P10909](#)

NCBI:

[NP_001822](#)

GeneID:

[1191](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

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

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSQDTV SDNELQEMSN QGSKYVNKEI
QNAVNGVKQI KTLIEKTNEE RKTLLSNLEE AKKKKEDALN ETRESETKLK ELPGVCNETM
MALWEECKPC LKQTCMKFYA RVCRSGLV GRQLEEFNLQ SSPFYFWMNG DRIDSLEND
RQQTHMLDVM QDHFSRASSI IDELFQDRFF TREPQDTYHY LPFSLPHRRP HFFFPKSRIV
RSLMPFSPYE PLNFHAMFQP FLEMIHEAQQ AMDIHFHSPA FQHPPTEFIR EGDGDRTVCR
EIRHNSTGCL RMKDQCDKCR EILSVDCSTN NPSQAKLRRE LDESQVAER LTRKYNELLK
SYQWKMLNTS SLLEQLNEQF NWVSRANLT QGEDQYYLRV TTVASHTSDS DVPSGVTEVV
VKLFDSDPIT VTVPVEVSRK NPKFMETVAE KALQEYRKKH REE

Molecular weight: 54.1 kDa (463aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Leskov K.S., et al. (2003) J. Biol. Chem. 278:11590-11600

Takahashi M., et al. (2004) Oncogene. 23:9289-9294

Pictures:

