



Clusterin, canine recombinant, HEK293, Flag Tag

Catalog No: 08567
Lot No: XXXXX
Source: HEK293
Synonyms: CLI, AAG4, KUB1, SGP2, SGP-2, SP-40, TRPM2, MGC24903, Clusterin, Glycoprotein 80, Gp80, CLU

Background

Clusterin mRNA and Clusterin protein are shown to increase with androgen treatment. Binding of clusterin to the LDL-Receptor plays a role in the pathogenesis of membranous glomerulonephritis. Clusterin is down regulated in CaP in association with matched benign controls. Clusterin is involved in cellular senescence and tumorigenesis. Clusterin is involved in photo-oxidative cell death pathway. Clusterin is a functional tumor marker for the diagnosis of pediatric large cell lymphoma. Clusterin is activated in low pH. Clusterin is involved in the inhibition of NF-kappaB signaling through stabilization of IkappaBs thus results in suppression of tumor cell motility. N-terminal deletion of clusterin is vital for its alterations of biogenesis in esophageal squamous cell carcinoma.

Description

Clusterin canine recombinant produced in HEK293 cells is a glycosylated, polypeptide chain containing 436 amino acids and having a molecular mass of 50.72 kDa. The protein is fused with 13 amino acid FLAG Tag at N-terminus. Apolipoprotein-J canine is purified by proprietary chromatographic techniques.

Formulation

Canine Clusterin was filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution containing 20 mM Tris buffer and 20 mM NaCl, pH 7.5.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95% as determined by SDS PAGE.

Amino Acid Sequence

PGDYKDDDDK PAGDQAVSDT ELQEMSTEGS KYINKEIKNA LKGVKQIKTL IEQTNEERKS LLSNLEEAKK KKEDALNDTK
DSETKCLKASQ GVCNDTMMAL WEECKPCLKQ TCMKFYARVC RSGSGLVGHQ LEEFLNQSSP FYFWMNGDRI DSLLENDRQQ
THALDVMQDS FNRASSIMDE LFQDRFFTRE PQDTYHYSPF SLFQRRPFFN PKFRIARNII PFPFRFQPLNF HDMFQPPFDM
IHQAQQAMDV NLHRIPYHFP IEFPEEDNRT VCKEIRHNST GCLKMKDQCE KCQEILSVDC SSNNPAQVQL RQELSNLSLQI
AEKFTKLYDE LLQSYQEKMF NTSSLLKQLN EQFSWVSQLA NLTQSEDPFY LQVTTVGSQT SDSNVPVGF T KVVVKLFDS
PITVMIPEAV SRNNPKFMET VAEKALQEYR QKHREE

Applications

WB*ELISA

CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51



Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51