
Product Data Sheet

Product Name: Clusterin Canine, HEK

Cat. No.: GP20065

Batch No.: 1

Product Data

Purity	>98%	Source	Human Embryonic Kidney 293 Cells.
--------	------	--------	-----------------------------------

Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
---------------------	-------	--------------------	-----------------------

Synonyms CLI; AAG4; KUB1; SGP2; SGP-2; SP-40; TRPM2; MGC24903; Clusterin; Glycoprotein 80; Gp80; CLU.

Amino Acid Sequence
 PGDYKDDDDK PAGDQAVSDT ELQEMSTEGS KYINKEIKNA LKGVKQIKTL
 IEQTNEERKS LLSNLEEAKK KKEDALNDTK DSETKLKASQ GVCNDTMMAL
 WEECKPCLKQ TCMKFYARVC RSGSGLVGHQ LEEFLNQSSP FYFWMNGDRI
 DSLENDRQQ THALDVMQDS FNRASSIMDE LFQDRFFTRE PQDTHYSPF
 SLFQRRPFFN PKFRIARNII PFPRFQPLNF HDMFQPFFDM IHQAQQAMDV
 NLHRIPYHFP IEFPEEDNRT VCKEIRHNST GCLKMKDQCE KCQEILSVDC
 SNNPAQVQL RQELSNSLQI AEKFTKLYDE LLQSYQEKMF NTSSLLKQLN
 EQFSWVSQLA NLTQSEDPFY LQVTTVGSQT SDSNVPVGFT KVVVKLFDSD
 PITVMPEAV SRNNPKFMET VAEKALQEYRQKHREE.

Solubility It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/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.

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

Introduction

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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 IkkappaBs 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.

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 .

Background

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. The Apolipoprotein-J Canine is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA