

Recombinant Human Clusterin alpha chain protein (His tag) ab220542

1 图像

描述	
产品名称	重组人Clusterin alpha chain蛋白(His tag)
纯度	> 95 % SDS-PAGE.
内毒素水平	< 1.000 Eu/μg
表达系统	HEK 293 cells
Accession	<u>P10909</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	DQTVSDNELQEMSNQGSKYVNKEIQNAVNGVKQIKTLIEKTN EERKTLLS NLEEAKKKKEDALNETRESETKLKELPGVCNETMMALWEECK PCLKQTCM KFYARVCRSGSGLVGRQLEE FLNQSSPFYFWMNGDRIDSLLENDRQQT HMLDVMQDHFSSRASSIIDELFQDRFFTREPQDTYHYLPFSLP HRRPHFFF PKSRIVRSLMPFSPYEPLNFHAMFQPFLEMIHEAQQAMDIHF HSPAFQ HPPTEFIREGDDDRTVCREIRHNSTGCLRMKDQCDKCREILS VDCSTNNP SQAKLRRELDLQVAERLTRKYNELLKSYQWKMLNTSSLLE QLNEQFNW VSRLANLTQGEDQYYLRVTTVASHTSDSDVPSGVTEVVVKLF DSDPITVT VPVEVSRKNPKFMETVAEKALQEYRKHREE
预测分子量	51 kDa
氨基酸	23 to 449
标签	His tag C-Terminus
额外的序列信息	This product is for the mature full length protein. The signal peptide is not included. (NP_001822.3).

技术指标

Our **Abpromise guarantee** covers the use of **ab220542** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 SDS-PAGE

形式 Lyophilized

制备和贮存

稳定性和存储 Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 95% PBS, 5% Trehalose

复溶 Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

常规信息

功能 Isoform 1 functions as extracellular chaperone that prevents aggregation of nonnative proteins. Prevents stress-induced aggregation of blood plasma proteins. Inhibits formation of amyloid fibrils by APP, APOC2, B2M, CALCA, CSN3, SNCA and aggregation-prone LYZ variants (in vitro). Does not require ATP. Maintains partially unfolded proteins in a state appropriate for subsequent refolding by other chaperones, such as HSPA8/HSC70. Does not refold proteins by itself. Binding to cell surface receptors triggers internalization of the chaperone-client complex and subsequent lysosomal or proteasomal degradation. Secreted isoform 1 protects cells against apoptosis and against cytolysis by complement. Intracellular isoforms interact with ubiquitin and SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes and promote the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes proteasomal degradation of COMMD1 and IKBKB. Modulates NF-kappa-B transcriptional activity. Nuclear isoforms promote apoptosis. Mitochondrial isoforms suppress BAX-dependent release of cytochrome c into the cytoplasm and inhibit apoptosis. Plays a role in the regulation of cell proliferation.

组织特异性 Detected in blood plasma, cerebrospinal fluid, milk, seminal plasma and colon mucosa. Detected in the germinal center of colon lymphoid nodules and in colon parasympathetic ganglia of the Auerbach plexus (at protein level). Ubiquitous. Detected in brain, testis, ovary, liver and pancreas, and at lower levels in kidney, heart, spleen and lung.

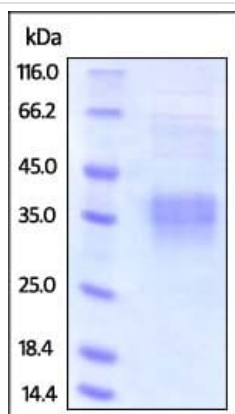
序列相似性 Belongs to the clusterin family.

翻译后修饰 Isoform 1 is proteolytically cleaved on its way through the secretory system, probably within the Golgi lumen.

Polyubiquitinated, leading to proteasomal degradation.

Heavily N-glycosylated. About 30% of the protein mass is comprised of complex N-linked carbohydrate.

细胞定位 Nucleus. Cytoplasm. Mitochondrion membrane. Cytoplasm > cytosol. Microsome. Endoplasmic reticulum. Cytoplasmic vesicle > secretory vesicle > chromaffin granule. Isoforms lacking the N-terminal signal sequence have been shown to be cytoplasmic and/or nuclear. Secreted isoforms can retrotranslocate from the secretory compartments to the cytosol upon cellular stress. Detected in perinuclear foci that may be aggresomes containing misfolded, ubiquitinated proteins. Detected at the mitochondrion membrane upon induction of apoptosis and Secreted. Can retrotranslocate from the secretory compartments to the cytosol upon cellular stress.



SDS-PAGE - Recombinant Human Clusterin alpha chain protein (His tag) (ab220542)

SDS-PAGE analysis of reduced ab220542 stained overnight with Coomassie Blue.

The protein migrates as 32-40 kDa under reducing conditions (SDS-PAGE).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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