



Native Human Clusterin

Datasheet

Catalog Number: PR27325

Product Type: Native Protein

Source: Plasma

Clusterin also named Apolipoprotein J (APO-J) is a 75-80 kD disulfide-linked heterodimeric protein containing about 30% of N-linked carbohydrate rich in sialic acid but truncated forms targeted to the nucleus have also been identified.

Description/Molecular Mass:

The precursor polypeptide chain is cleaved proteolytically to remove the 22-mer secretory signal peptide and subsequently between residues 227/228 to generate the a and b chains. These are assembled in anti-parallel to give a heterodimeric molecule in which the cysteine-rich centers are linked by five disulfide bridges and are flanked by two predicted coiled-coil a-helices and three predicted amphipathic a-helices.

Purity: Greater than 95.0% as determined by:
(a) Analysis by SDS-PAGE.

Formulation: Human native Clusterin was filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.1M phosphate buffer, 0.15M NaCl pH 7.5.

Solubility: It is recommended to add deionized H₂O to prepare a working stock solution of 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 in the cell culture.

Format: Human native Clusterin was filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.1M phosphate buffer, 0.15M NaCl pH 7.5.

Storage: Store lyophilized Clusterin 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.

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