Apolipoprotein B100 Native Protein

PRODUCT OVERVIEW

Product Name	Apolipoprotein B100, Native Protein
Full Product Name	Apolipoprotein B100, Human (Apo B100)
Host	Human plasma LDL
Form/Format	Supplied as a liquid in 200mM Tris, 10mM SDS, pH 8.25. No preservatives added
Purity/Purification	Highly Purified Purified by ultracentrifugation,delipidation with diethyl ether: ethanol, gel filtration over Sephacryl S-200.
Preparation and Storage	May be stored at 4 degree C. For long-term storage, aliquot and store at 4 degree C. Do not freeze. Aliquots are stable for 6 months. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	513kD
Contaminants	Apo(a), ApoC, ApoE: None detected
Product Categories/Family for Apolipoprotein B100 native protein	Molecular Biology; MB-Lipoproteins
Application Notes for Apolipoprotein B100 native protein	Suitable for use in Lowry protein determination assay.
Related Product Information for Apolipoprotein B100 native protein	Lipids (triglyceride (TG), cholesterol (Chol), phospholipids (PL), cholesteryl esters (CE)) are insoluble in plasma. These lipids combine with apolipoproteins to form lipoproteins. This process solubilises lipids in plasma. Lipoproteins provide a transport system for lipids. They also play an important role in lipoprotein receptor recognition and regulation of certain enzymes in lipoprotein metabolism. Apolipoprotein B plays an essential role in lipid transport and metabolism. Apo B may regulate cholesterol synthesis through its interaction with specific cell membrane receptors and by inhibition of HMG Co A reductase. This enzyme has been identified as the rate controlling enzyme in cholesterol biosynthesis. Apo B may be important in the genesis of atherosclerosis. Apo B is the major protein moiety of all lipoproteins other than high density lipoprotein (HDL) in plasma. Increased levels of apo B100 are associated with an increased risk of coronary artery disease.
Other Notes	Small volumes of Apolipoprotein B100 native protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Apolipoprotein B100 purchase	MBS656904 is a native protein targeting Apolipoprotein B100. Also known as Apolipoprotein B100, Human (Apo B100). Host: Human plasma LDL.

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Online datasheet: https://www.mybiosource.com/native-protein/apolipoprotein-b100/656904