

Datasheet for ABIN622852

LDL Protein



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Overview

Quantity:	1 g
Target:	LDL
Origin:	Human
Source:	Human

Product Details

Characteristics:	Low Density Lipoprotein
Purity:	Cholesterol level > 200mg/l. > = 1 % HDL.

Target Details

Target:	LDL
Alternative Name:	Low Density Lipoprotein (LDL Products)

Background: LDL is a low-density lipoprotein that transports cholesterol and triglycerides from the liver to peripheral tissues. LDL (like all lipoproteins) facilitates the movement of fats and cholesterol within the water based solution of the blood stream. Each natural LDL particle contains a single Apo B-100 molecule (apolipoprotein B-100 is a protein with 4536 amino acid residues) that circulates the fatty acids and keeps them soluble in the aqueous environment. Additionally, the LDL core is highly-hydrophobic, consisting of linoleate (a polyunsaturated fatty acid) and about 1500 esterified cholesterol molecules. This core is enclosed by a shell of phospholipids and unesterified cholesterol in addition to a single copy of B-100 large protein (514 kD). Even though the LDL particles are approximately 22 nm in diameter and have a mass of about 3 million Daltons, they have a mass and size distribution since the LDL particles contain a varying

Target Details

number of fatty acids. LDL receptors are synthesized and placed in the plasma membrane when a cell requires cholesterol.

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Storage: -20 °C