

Recombinant Human Lipoprotein lipase ab115500

画像数 1

製品の詳細

製品名	Recombinant Human Lipoprotein lipase		
精製度	> 75 % SDS-PAGE. ab115500 is purified using Ni-NTA chromatography and filtered (0.4 µm) before being lyophilised.		
発現系	Escherichia coli		
アクセッション番号	<u>P06858</u>		
タンパク質長	Full length protein		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	MKHHHHHHASADQRRDFIDIESKFALRTPEDTAEDTCHLIPG VAESVATC HFNHSSKTFMVIHGWTVTGMYESWVPKLVAALYKREPDSNVI VVDWLSRA QEHYPVSAGYTKLVGQDVARFINWMEEEFNYP LDNVHLLGYS LGAHAAGI AGSLTNKKVN RITGLDPAGPNFEYAEAPSRLSPDDADFVDVL HTFTRGSP GRSIGIQKPVGHVDIYPNGGTFQPGCNIGE AIRVIAERGLGD VDQLVKCS HERSIHLFIDSL LNEENPSKAYRCSSKEAFEKGLCLSCRKNR CNNLGYEI SKVRAKRSSKMYLKTRSQMPYKVFHYQVKIHFSGTESEHTN QAFEISLY GTVAESENIPFTLPEVSTNKTYSFLIYTEVDIGELLMLKLKW KSDSYFSW SDWWSSPGFAIQIRVKAGETQKKVIFCSREKVS HLQKGKAP AVFVKCHD KSLNKKSG		
予測される分子量	52 kDa including tags		
領域	28 to 475		
タグ	His tag N-Terminus		

特性

Our **Abpromise guarantee** covers the use of **ab115500** in the following tested applications.

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

アプリケーション Western blot

製品の状態 Lyophilized

前処理および保存

保存方法および安定性 Shipped at 4°C. Store at -80°C.

Constituents: 0.3% Acetic acid, 0.4% Sodium acetate

再構成 To reconstitute, add 0.1M Acetate buffer pH4. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

関連情報

機能 The primary function of this lipase is the hydrolysis of triglycerides of circulating chylomicrons and very low density lipoproteins (VLDL). Binding to heparin sulfate proteoglycans at the cell surface is vital to the function. The apolipoprotein, APOC2, acts as a coactivator of LPL activity in the presence of lipids on the luminal surface of vascular endothelium.

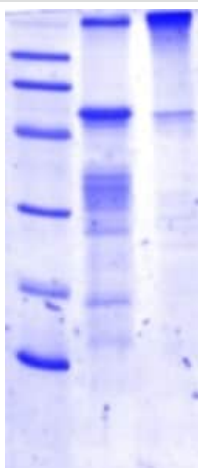
関連疾患 Defects in LPL are the cause of lipoprotein lipase deficiency (LPL deficiency) [MIM:238600]; also known as familial chylomicronemia or hyperlipoproteinemia type I. LPL deficiency chylomicronemia is a recessive disorder usually manifesting in childhood. On a normal diet, patients often present with abdominal pain, hepatosplenomegaly, lipemia retinalis, eruptive xanthomata, and massive hypertriglyceridemia, sometimes complicated with acute pancreatitis.

配列類似性 Belongs to the AB hydrolase superfamily. Lipase family.
Contains 1 PLAT domain.

翻訳後修飾 Tyrosine nitration after lipopolysaccharide (LPS) challenge down-regulates the lipase activity.

細胞内局在 Cell membrane. Secreted. Locates to the plasma membrane of microvilli of hepatocytes with triacyl-glycerol-rich lipoproteins (TRL). Some of the bound LPL is then internalized and located inside non-coated endocytic vesicles.

画像



14% SDS-PAGE showing ab115500

Lane 1: M.W. marker – 14, 21, 31, 45, 66, 97 kDa

Lane 2: reduced and boiled sample, 5µg/lane.

Lane 3: non-reduced and non-boiled sample, 5µg/lane.

SDS-PAGE - Recombinant Human Lipoprotein
lipase (ab115500)

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

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