

ANGPTL3 (Ser17-Thr206) (C-6His), Mouse, Recombinant

货号: PCK226

产品信息

别名 Angiopoietin-related Protein 3; Angiopoietin-like Protein 3; Angptl3 Pricella

物种 Mouse

表达宿主 Human Cells

序列信息 Ser17-Thr206

检索号 Q9R182

分子量 22.7 kDa

产品特性

纯度 >95% as determined by reducing SDS-PAGE.

内毒素 <1.0 EU per µg as determined by LAL test.

保存 Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt.

Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at -5~-20°C for 3 months.

运输 Ambient temperature or ice pack.

制剂 Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

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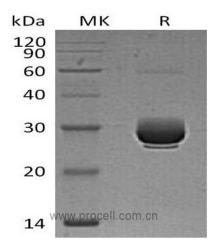
复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Angiopoietin-like Protein 3 (ANGPTL3) is a secreted glyco Protein that is structurally related to the angiopoietins. Mature mouse ANGPTL3 contains an N-terminalcoiled coil domain and a Cterminalfibrinogen-likedomain. Within the Nterminalfragment, mouse ANGPTL3 shares 83% and 92% as sequence identity with human and rat ANGPTL3, respectively. ANGPTL3 is expressed in the liver from early in development through adulthood. ANGPTL3 directly inhibits lipo Protein lipase (LPL) and endothelial lipase (EL), enzymesresponsible for hydrolyzing circulating triglycerides and HDL phospholipids. This activity requires a putative heparin-bindingMotif which is N-terminalto the coiled coil domain. Proteolytic removal of the fibring en-likedomain from the Nterminalfragment serves to activate ANGPTL3 and increase its ability toinhibit LPL in vitro and function in vivo. ANGPTL3 promotes an increase in circulating triglyceride levels without altering VLDL or HDL secretion oruptake. ANGPTL3 expression in vivo is up-regulated by LXR agonists anddown-regulated by insulin, leptin, and agonists of TRB or PPARB. ANGPTL3, secreted by fetal liver cells, also promotes the expansion of hematopoietic stem cells.

SDS-PAGE



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