

Recombinant cynomolgus monkey LDL Receptor protein (Active) ab220535

3 图像

描述	
产品名称	重组食蟹猴LDL Receptor蛋白(Active)
生物活性	<p>Measured by its binding ability in a functional ELISA. Immobilized ab220535 at 2 µg/ml (100 µl/well) can bind Biotinylated Human PCSK9, His Tag with a linear range of 0.007-0.256 µg/ml.</p> <p>Immobilized Cynomolgus PCSK9, His Tag at 10 µg/ml (100 µl/well) can bind ab220535 with a linear range of 0.04-0.256 µg/ml.</p>
纯度	> 95 % SDS-PAGE.
内毒素水平	< 1.000 Eu/µg
表达系统	HEK 293 cells
Accession	<u>XP_005588053.1</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Cynomolgus monkey
序列	<p>AVGDRCERNEFQCEDGKCISYKWVCDGTAECQDGSDESQETC LSVTCKSG DFSCGGRVNRICIPQFWRCDCGEVDCENGSDQDCPPKTC SQDE FRCHDGKC IYRQFVCDSDRDCLDGSDEASCPVLTCGPASFQCNSSTCIPQ LWACDNDP DCEDGSDEWPQHCGLEVPKRDSSPCSAFEFHCRSGECIHSG WRCDG GPD CKDKSDEENC PVATCRPDEFQCS DGTCTIHGSRQCDREYDCKD MSDEVGCI NVTLCCEGPNKFKCHSGECISLDKVCNMARDCRDWSDEPIKEC GTNECLDN NGGCSHICNDLKIGYECLCPDGFQLVAQRRCEDIDECQDPDT CSQLCVNL EGSYKCQCEEGFQLDPHTKACKAVGSIAYLIFTNRHEVRKMT LDRSEYTS LIPNLRNVVALDTEVASNRIYWSDL SQRMIYSTQLDRAHSVS SYDTVISR</p>

DLQAPDGLAVDWIHSNIYWTDSVLGTVSVADTKGVKRKTLFR
ENGSKPRA
IVVDPVHGFMWTDWGTPAKIKKGGLNGVDIYSLVTENIEWP
NGITLDFP
SGRLYWVDSKLHSSIDVNGGNRKTVLEDKERLAHPFSLAI
FEDKVFWT
DIINEAIFSANRLTGSDINLLAENLLSPEDMVL FHNLTQPRG
VNCERTT
LSNGGCQYLCLPAPQINPQSPKFTCTCPDGMLLAKDMRSCLT
EAEAAVAT
QETSTVRLMVSSKAVATQHTTTRPVPNTSQLPGATPGLTTAE
TVTMSHQA LGDVAGRGNEKKPKSVG

预测分子量	87 kDa including tags
氨基酸	22 to 788
标签	His tag C-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab220535** in the following tested applications.

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

应用	Functional Studies
	SDS-PAGE
形式	Lyophilized

制备和贮存

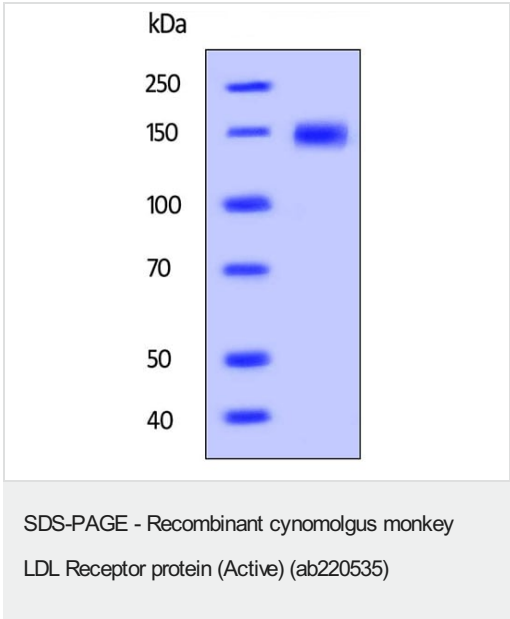
稳定性和存储	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 95% PBS, 5% Trehalose Lyophilized from 0.22 µm filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

常规信息

功能	Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. In case of HIV-1 infection, functions as a receptor for extracellular Tat in neurons, mediating its internalization in uninfected cells.
疾病相关	Defects in LDLR are the cause of familial hypercholesterolemia (FH) [MIM:143890]; a common autosomal semi-dominant disease that affects about 1 in 500 individuals. The receptor defect impairs the catabolism of LDL, and the resultant elevation in plasma LDL-cholesterol promotes deposition of cholesterol in the skin (xanthelasma), tendons (xanthomas), and coronary arteries (atherosclerosis).

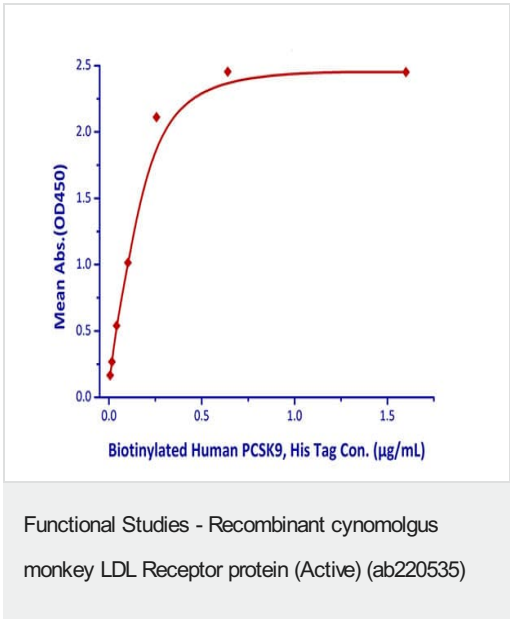
序列相似性	Belongs to the LDLR family. Contains 3 EGF-like domains. Contains 7 LDL-receptor class A domains. Contains 6 LDL-receptor class B repeats.
翻译后修饰	N- and O-glycosylated. Ubiquitinated by MYLIP leading to degradation.
细胞定位	Cell membrane. Endomembrane system. Membrane > clathrin-coated pit. Found distributed from the plasma membrane to intracellular compartments.

图片

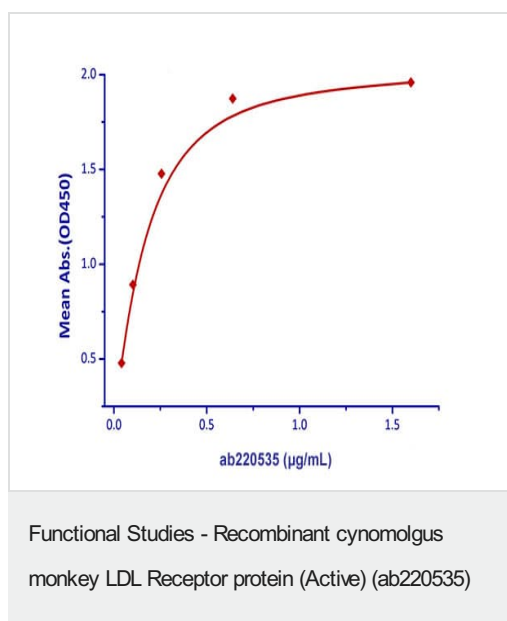


SDS-PAGE analysis of ab220535 stained overnight with Coomassie Blue.

The protein migrates as 135-155 kDa under reducing conditions due to glycosylation.



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Immobilized Cynomolgus PCSK9, His Tag at 10 µg/ml (100 µl/well) can bind ab220535 with a linear range of 0.04-0.256 µg/ml.

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