abcam

Product datasheet

Recombinant Human PLOD2/LH2 protein ab116924

画像数 1

製品の詳細

製品名	Recombinant Human PLOD2/LH2 protein
発現系	Wheat germ
アクセッション番号	O00469
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	DSEKPSSIPTDKLLVITVATKESDGFHRFMQSAKYFNYTVKV LGQGEEWR GGDGINSIGGGQKVRLMKEVMEHYADQDDLVVMFTECFDVIF AGGPEEVL KKFQKANHKVVFAADGILWPDKRLADKYPVVHIGKRYLNSGG FIGYAPYV NRIVQQWNLQDNDDDQLFYTKVYIDPLKREAINITLDHKCKI FQTLNGAV DEVVLKFENGKARAKNTFYETLPVAINGNGPTKILLNYFGNY VPNSWTQD NGCTLCEFDTVDLSAVDVHPNVSIGVFIEQPTPFLPRFLDIL LTLDYPKE ALKLFIHNKEVYHEKDIKVFFDKAKHEIKTIKIVGPEENLSQ AEARNMGM DFCRQDEKCDYYFSVDADVVLTNPRTLKILIEQNRKIIAPLV TRHGKLWS NFWGALSPDGYYARSEDYVDIVQGNRVGVWNVPYMANVYLIK GKTLRSEM NERNYFVRDKLDPDMALCRNAREMTLQREKDSPTPETFQMLS PPKGVFMY ISNRHEFGRLLSTANYNTSHYNNDLWQIFENPVDWKEKYINR DYSKIFTE NIVEQPCPDVFWFPIFSEKACDELVEEMEHYGKWSGGKHHDS RISGGYEN VPTDDIHMKQVDLENVWLHFIREFIAPVTLKVFAGYYTKGFA LLNFVVKY SPERQRSLRPHHDASTFTINIALNNVGEDFQGGGCKFLRYNC SIESPRKG WSFMHPGRLTHLHEGLPVKNGTRYIAVSFIDP

予測される分子量	107 kDa including tags
領域	27 to 758

特性

Our **Abpromise guarantee** covers the use of **ab116924** 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	ELISA SDS-PAGE Western blot
製品の状態	Liquid
備考	This product was previously labelled as PLOD2.

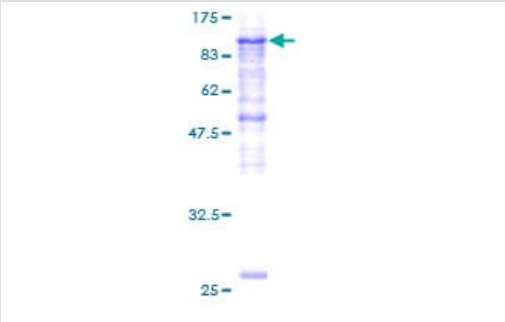
前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

関連情報

機能	Forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links.
組織特異性	Highly expressed in pancreas and muscle. Isoform 1 and isoform 2 are expressed in the majority of the examined cell types. Isoform 2 is specifically expressed in skin, lung, dura and aorta.
関連疾患	Defects in PLOD2 are the cause of Bruck syndrome type 2 (BRKS2) [MIM:609220]. Bruck syndrome, also known as osteogenesis imperfecta with congenital joint contractures, is an autosomal recessive disease characterized by generalized osteopenia, joint contractures at birth, fragile bones and short stature. It can be distinguished from osteogenesis imperfecta by the absence of hearing loss and dentinogenesis imperfecta, and by the presence of clubfoot and congenital joint limitations. The molecular defect is an aberrant cross-linking of bone collagen, due to underhydroxylation of lysine residues within the telopeptides of type I collagen, whereas the lysine residues in the triple helix are normal.
配列類似性	Contains 1 Fe2OG dioxygenase domain.
細胞内局在	Rough endoplasmic reticulum membrane.

画像



SDS-PAGE - Recombinant Human PLOD2/LH2 protein (ab116924)

12.5% SDS-PAGE stained with Coomassie Blue showing ab116924 at approximately 106.63 kDa.

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

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