abcam

Product datasheet

Recombinant Human LH1 protein ab159142

1 Image

Description

Product name	Recombinant Human LH1 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MRPLLLLALLGWLLLAEAKGDAKPEDNLLVLTVATKETEG FRRFKRSAQF FNYKIQALGLGEDWNVEKGTSAGGGQKVRLLKKALEKHA DKEDLVILFAD SYDVLFASGPRELLKKFRQARSQVVFSAEELIYPDRRLET KYPVVSDGKR FLGSGGFIGYAPNLSKLVAEWEGQDSDSDQLFYTKIFLDP EKREQINITL DHRCRIFQNLDGALDEVVLKFEMGHVRARNLAYDTLPVLI HGNGPTKLQL NYLGNYIPRFWTFETGCTVCDEGLRSLKGIGDEALPTVLVG VFIEQPTPF VSLFFQRLLRLHYPQKHMRLFIHNHEQHHKAQVEEFLAQH GSEYQSVKLV GPEVRMANADARNMGADLCRQDRSCTYYFSVDADVALT EPNSLRLLIQQN KNVIAPLMTRHGRLWSNFWGALSADGYYARSEDYVDIVQ GRRVGVWNVPY ISNIYLIKGSALRGELQSSDLFHHSKLDPDMAFCANIRQQD VFMFLTNRH TLGHLLSLDSYRTTHLHNDLWEVFSNPEDWKEKYIHQNYT KALAGKLVET PCPDVYWFPIFTEVACDELVEEMEHFGQWSLGNNKDNRI QGGYENVPTID IHMNQIGFEREWHKFLLEYIAPMTEKLYPGYYTRAQFDLAF VVRYKPDEQ PSLMPHHDASTFTINIALNRVGVDYEGGGCRFLRYNCSIRA PRKGWTLMH PGRLTHYHEGLPTTRGTRYIAVSFVDP

Amino acids	1 to 727
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab159142** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	This product was previously labelled as PLOD1.

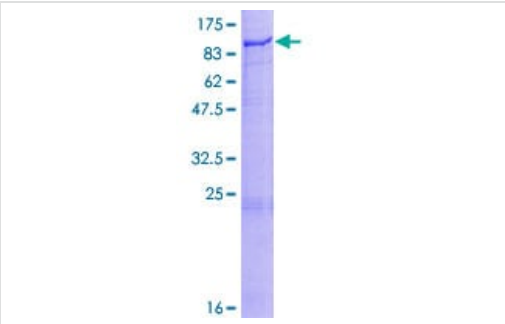
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	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.
Involvement in disease	Defects in PLOD1 are the cause of Ehlers-Danlos syndrome type 6 (EDS6) [MIM:225400]. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS6 is characterized by the presence of ocular complications, particularly retinal detachment. Defects in PLOD1 are the cause of Nevo syndrome (NEVOS) [MIM:601451]. This is a rare, autosomal recessive disorder characterized by increased perinatal length, kyphosis, muscular hypotonia, and joint laxity. Nevo syndrome and EDS-VI have similar clinical phenotypes. Some authors consider that both syndromes are the same clinical entity.
Sequence similarities	Contains 1 Fe2OG dioxygenase domain.
Cellular localization	Rough endoplasmic reticulum membrane.

Images



SDS-PAGE - Recombinant Human LH1 protein (ab159142)

ab159142 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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