abcam

Product datasheet

Recombinant Human LTBP2 protein ab158832

1 Image

Description

Product name	Recombinant Human LTBP2 protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LQPSELQPHYVASHPEPPAGFEGLQAEECGILNGCENGR CVRVREGYTCD CFEGFQLDAAHMACVDVNECDDLNGPAVLCVHGYCENT EGSYRCHCSPGY VAEAGPPHCT
Amino acids	1709 to 1818
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab158832** 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	

Preparation and Storage

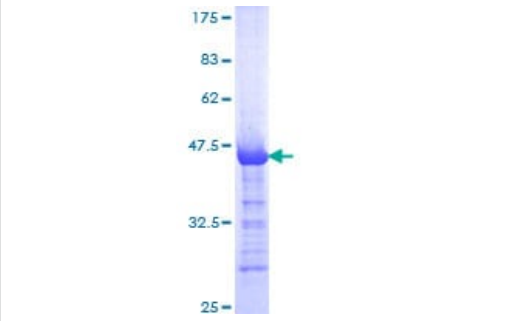
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

General info

Function	May play an integral structural role in elastic-fiber architectural organization and/or assembly.
Tissue specificity	Expressed in lung, weakly expressed in heart, placenta, liver and skeletal muscle.
Involvement in disease	Defects in LTBP2 are the cause of primary congenital glaucoma type 3D (GLC3D) [MIM:613086]. An autosomal recessive form of primary congenital glaucoma (PCG). PCG is characterized by marked increase of intraocular pressure at birth or early childhood, large ocular globes (buphthalmos) and corneal edema. It results from developmental defects of the trabecular meshwork and anterior chamber angle of the eye that prevent adequate drainage of aqueous humor. Defects in LTBP2 are the cause of microspherophakia (MCSPH) [MIM:251750]. It is a rare disease characterized by smaller and more spherical lenses than normal bilaterally, an increased anteroposterior thickness of the lens and highly myopic eyes. Lens dislocation or subluxation may occur, leading to defective accommodation.
Sequence similarities	Belongs to the LTBP family. Contains 20 EGF-like domains. Contains 4 TB (TGF-beta binding) domains.
Domain	Associates covalently with small latent TGF-beta complex via Repeat B and Repeat C.
Post-translational modifications	Contains hydroxylated asparagine residues.
Cellular localization	Secreted. Localized in nuchal ligament and aorta to the fibrillin-containing, microfibrillar component of elastic fibers.

Images



SDS-PAGE - Recombinant Human LTBP2 protein (ab158832)

ab158832 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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