abcam

Product datasheet

Recombinant Human Extracellular matrix protein 1 ab152353

1 Image

Description

Product name	Recombinant Human Extracellular matrix protein 1
Expression system	Wheat germ
Accession	Q16610
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGTTARAALVLTYLAVASAASEGGFTATGQRQLRPEHFQ EVGYAAPPSPP LSRSLPMDHPDSSQHGPPFEGQSQVQPPPSQEATPLQQ EKLLPAQLPAEK EVGPPLPQEAVPLQKELPSLQHPNEQKEGMPAPFGDQS HPEPESWNAAQH CQQDRSQGGWGHRLDGFPPGRPSPDNLNQICLPNRQHV VYGPWNLPQSSY SHLTRQGETLNFLEIGYSRCCHCRSHTNRLECAKLVWEEA MSRFCEAEFS VKTRPHWCCTRQGEARFSCFQEEAPQPHYQLRACPSHQ PDISSGLELPFP PGVPTLDNIKNICHLRRFRSVPRNLPATDPLQRELLALIQLE REFQRCCR QGNNHTCTWKAWEDTLDKYCDREYAVKTHHHLCCRHPP SPTRDECFARRA PYPNYDRDILTIDISRATPNLMGHLCGNQRVLTKHKHIPGLIH NMTARCC DLPFPEQACCAEEEKLTFINDLCGPRRNIWRDPALCCYLS PGDEQVNCFN INYLRNVALVSGDTENAKGQGEQGSTGGTNISSTSEPKEK
Predicted molecular weight	85 kDa including tags
Amino acids	1 to 540
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab152353** 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 SDS-PAGE
Form	Liquid
Additional notes	

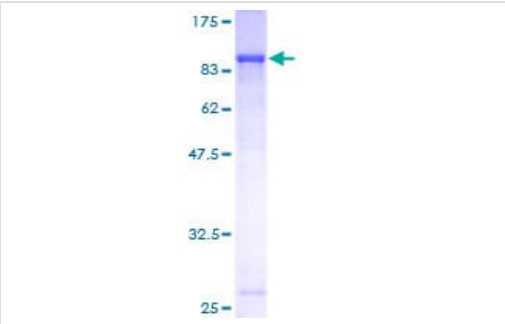
Preparation and Storage

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

Function	Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.
Tissue specificity	Expressed in breast cancer tissues. Little or no expression observed in normal breast tissues. Expressed in skin; wide expression is observed throughout the dermis with minimal expression in the epidermis.
Involvement in disease	Defects in ECM1 are the cause of lipoid proteinosis (LiP) [MIM:247100]; also known as lipoid proteinosis of Urbach and Wiethe or hyalinosis cutis et mucosae. LiP is a rare autosomal recessive disorder characterized by generalized thickening of skin, mucosae and certain viscera. Classical features include beaded eyelid papules and laryngeal infiltration leading to hoarseness. Histologically, there is widespread deposition of hyaline material and disruption/reduplication of basement membrane.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images



Western blot - Recombinant Human Extracellular matrix protein 1 (ab152353)

12.5% SDS-PAGE analysis of ab152353 stained with Coomassie Blue.

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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