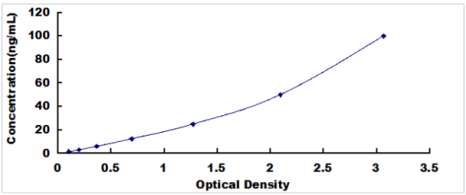
Elastin Microfibril Interface Located Protein 1 (EMILIN1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Elastin Microfibril Interface Located Protein 1 (EMILIN1), ELISA Kit
Full Product Name	Human Elastin Microfibril Interface Located Protein 1 (EMILIN1) ELISA Kit
Product Gene Name	EMILIN1 elisa kit
Product Synonym Names	EMI; gp115; Elastin Microfibril Interfacer 1
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Detection Range	1.56-100ng/mL
Sensitivity	0.64ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	35,928 Da
OMIM	AF088916 mRNA
3D Structure	ModBase 3D Structure for Q9Y6C2
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for EMILIN1 elisa kit	MBS454384 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Elastin Microfibril Interface Located Protein 1 (EMILIN1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing EMILIN1. The ELISA analytical biochemical technique of the MBS454384 kit is based on EMILIN1 antibody-EMILIN1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EMILIN1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EMILIN1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of EMILIN1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of EMILIN1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EMILIN1. It may not necessarily be applicable to this product.

NCBI GI #	5901944
NCBI GeneID	11117
NCBI Accession #	NP_008977.1
UniProt Primary Accession #	Q9Y6C2
UniProt Secondary Accession #	Q53SY9; Q96G58; Q96IH6; Q9UG76; A5PL03; H0Y7A0
UniProt Related Accession #	Q9Y6C2
GenBank Nucleotide #	NM_007046.3
NCBI Official Full Name	EMILIN-1
NCBI Official Synonym Full Names	elastin microfibril interfacer 1
NCBI Official Symbol	EMILIN1
NCBI Official Synonym Symbols	EMI; gp115; EMILIN
UniProt Protein Name	EMILIN-1
UniProt Synonym Protein Names	Elastin microfibril interface-located protein 1; Elastin microfibril interfacer 1
Protein Family	EMILIN
UniProt Gene Name	EMILIN1
UniProt Synonym Gene Names	EMI; Elastin microfibril interfacer 1
NCBI Protein Information	EMILIN-1
NCBI Summary for EMILIN1	This gene encodes an extracellular matrix glycoprotein that is characterized by an N-terminal microfibril interface domain, a coiled-coiled alpha-helical domain, a collagenous domain and a C-terminal globular C1q domain. The encoded protein associates with elastic fibers at the interface between elastin and microfibrils and may play a role in the development of elastic tissues including large blood vessels, dermis, heart and lung. [provided by RefSeq, Sep 2009]
UniProt Comments for EMILIN1	May be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. Has cell adhesive capacity.
Research Articles on EMILIN1	**1.** These findings collectively suggest that EMILIN1 may represent a new disease gene associated with an autosomal-dominant connective tissue disorder.
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