

Recombinant Human EMILIN1, His-tagged

Cat. No. EMILIN1-28554TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 676-1016 of Human EMILIN1 with 6x His tag; 362 amino acids including tag, Predicted MWt 39.1 kDa .
Species	Human
Source	E.coli
ProteinLength	341 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	39.100kDa inclusive of tags
Tissue specificity	Distributed in tissues where resilience and elastic recoil are prominent. Highest levels in the adult small intestine, aorta, lung, uterus, and appendix and in the fetal spleen, kidney, lung, and heart; intermediate expression was detected in adult liver,
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS-PAGE
Storage buffer	pH: 7.40Constituent:99% PBS
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 1 C1q domain.Contains 1 collagen-like domain.Contains 1 EMI domain.
GENE INFORMATION	
Gene Name	EMILIN1 elastin microfibril interfacer 1 [Homo sapiens]
Official Symbol	EMILIN1
Synonyms	EMILIN1; elastin microfibril interfacer 1; EMILIN-1; DKFZp586M121; gp115;
Gene ID	11117
mRNA Refseq	NM_007046
Protein Refseq	NP_008977
MIM	130660
Uniprot ID	Q9Y6C2
Chromosome Location	2p23.3-p23.2
Function	extracellular matrix constituent conferring elasticity; identical protein binding; protein

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binding;

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