

Recombinant Human ELN, His-tagged

Cat. No. ELN-12415H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ELN protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	307-658a.a.
Description	This gene encodes a protein that is one of the two components of elastic fibers. The encoded protein is rich in hydrophobic amino acids such as glycine and proline, which form mobile hydrophobic regions bounded by crosslinks between lysine residues. Deletions and mutations in this gene are associated with supravalvular aortic stenosis (SVAS) and autosomal dominant cutis laxa. Multiple transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ELN elastin [Homo sapiens]
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Official Symbol	ELN
Synonyms	ELN; elastin; supralvalvular aortic stenosis; SVAS; tropoelastin; WBS; Williams Beuren syndrome; WS; FLJ38671; FLJ43523;
Gene ID	2006
mRNA Refseq	NM_000501
Protein Refseq	NP_000492
MIM	130160
UniProt ID	P15502
Chromosome Location	7q11.1-q21.1
Pathway	Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;
Function	extracellular matrix constituent conferring elasticity; extracellular matrix structural constituent; protein binding;

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