

Recombinant Full Length Human ELN Protein, GST-tagged

Cat. No. ELN-4364HF **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Human ELN full-length ORF (1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 335 amino acids |
| Description | <p>This gene encodes a protein that is one of the two components of elastic fibers. Elastic fibers comprise part of the extracellular matrix and confer elasticity to organs and tissues including the heart, skin, lungs, ligaments, and blood vessels. 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. Degradation products of the encoded protein, known as elastin-derived peptides or elastokines, bind the elastin receptor complex and other receptors and stimulate migration and proliferation of monocytes and skin fibroblasts. Elastokines can also contribute to cancer progression. Deletions and mutations in this gene are associated with supravalvular aortic stenosis (SVAS) and autosomal dominant cutis laxa. [provided by RefSeq, Aug 2017]</p> |
| Molecular Mass | 55.4 kDa |
| AA Sequence | MAGLTAAAPRPGVLLLLLSILHPSRPGGVPGAIPGGVPGGVFYPGAGLGALGGGAL GPGGKPLKVPVPGGLAGAGLGAGLGAFPAVTFPGALVPGGAAAKAAAKFGAGAAGV |

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LPGVGGAGVPGVPGAIPGIGGIAGVGTAAAAAAKAAKYGAAAGLVPGGPGF
 GPGVVGVPAGVPGVPGAGIPVVPAGIPGAAVPGVVSPEAAKAAKAAKYG
 ARPGVGVGGIPTYGALGGVGIPGGVVGAGPAAAAAAKAAKAAQFGLVGAAGLG
 GLGVGGLGVPVGGGLGGIPAAAAAAKAAKYGVAARPGFGLSPIFPGGACLKACGRK
 RK

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes
 Best use within three months from the date of receipt of this protein.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ELN elastin \[Homo sapiens \]](#)

Official Symbol [ELN](#)

Synonyms
 ELN; elastin; supravalvular aortic stenosis; SVAS; tropoelastin; WBS; Williams Beuren syndrome; WS; FLJ38671; FLJ43523;

Gene ID [2006](#)

mRNA Refseq [NM_000501](#)

Protein Refseq [NP_000492](#)

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| MIM | 130160 |
| UniProt ID | P15502 |

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