

## Product datasheet for **RC239370**

### Elastin (ELN) (NM\_001278912) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elastin (ELN) (NM_001278912) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elastin
Synonyms:	ADCL1; SVAS; WBS; WS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC239370 representing NM\_001278912  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGGTCTGACGGCGCGGCCCGCGGCCGGAGTCTCCTGCTCCTGCTGTCCATCTCCACCCT  
CTCGGCCTGGAGGGTCCCTGGGGCCATTCTGGTGGAGTTCCTGGAGGAGTCTTTTATCCAGGGCTGG  
TCTCGGAGCCCTTGAGGAGGAGCGCTGGGGCCTGGAGGCAAACCTTTAAGCCAGTTCCTCGGAGGGCTT  
GCGGGTGTGGCCTTGGGGCAGGGCTCGGCGCCTCCCGCAGTTACCTTTCCGGGGCTCTGGTGCCTG  
GTGGAGTGGCTGACGCTGCTGCAGCCTATAAAGCTGCTAAGGCTGGCGCTGGGCTTGGTGGTGTCCAGG  
AGTTGGTGGCTTAGGAGTGTCTGACGTTGCGGTGGTTCCTCAGCCTGGAGCCGGAGTGAAGCCTGGGAAA  
GTGCCGGTGTGGGGCTGCCAGGTGTATACCCAGGTGGCGTGTCCAGGAGCTCGGTTCCCGGTGTGG  
GGGTGCTCCCTGGAGTTCCTACTGGAGCAGGATTAAGCCCAAGGCTCCAGGTGTAGGTGGAGCTTTTGC  
TGAATCCAGGAGTTGGACCTTTGGGGACCGCAACCTGGAGTCCACTGGGGTATCCATCAAGGCC  
CCCAAGCTGCCTGGTGGCTATGGACTGCCTACACCACAGGGAACTGCCCTATGGCTATGGGCCGGAG  
GAGTGGCTGGTGCAGCGGCAAGGCTGGTTACCAACAGGGACAGGGGTTGGCCCCAGGAGCAGCAGC  
AGCGGCAGCTAAAGCAGCAGCAAAGTTCGGTGTGGAGCAGCCGGAGTCTCCTGGTGTGGAGGGCT  
GGTGTTCCTGGCGTGCCTGGGGCAATTCCTGGAATTGGAGGATCGCAGGCGTTGGGACTCCAGTGCAG  
CTGCAGCTGCAGCAGCAGCCGCTAAGGCAGCAAGTATGGAGTGTCTGCAGGCTTAGTGCCTGGTGGCC  
AGGCTTTGGCCGGGAGTAGTTGGTGTCCAGGAGCTGGCGTTCAGGTGTTGGTGTCCAGGAGCTGGG  
ATTCAGTGTCCAGGTGTGGGATCCAGGTGTGGGTTCCAGGGTGTGTACCAGAAAGCAGCTG  
CTAAGGCAGCTGCAAAGGCAGCCAAATACGGGGCCAGGCCGGAGTCGGAGTTGGAGGCTTCTACTTA  
CGGGGTTGGAGCTGGGGCTTTCCCGGCTTTGGTGTGGAGTTCGGAGTATCCCTGGAGTCGAGGTGTC  
CCTGGTGTGGAGGTGTTCCCGAGTTCGGAGGTGTCGGGAGTTGGCATTTCCTCCGAAGCTCAGGCAG  
CAGCTGCCGCAAGGCTGCCAAGTACGGAGTGGGGACCCAGCAGCTGCAGCTGTAAAGCAGCCGCCAA  
AGCCGCCAGTTTGGTTAGTTCCTGGTGTGGCGTGGCTCCTGGAGTTGGCGTGGCTCCTGGTGTGGT  
GTGGCTCCTGGAGTTGGCTTGGCTCCTGGAGTTGGCGTGGCTCCTGGAGTTGGTGTGGCTCCTGGCGTTG  
GCGTGGCTCCCGCATTGGCCCTGGTGGAGTTGCAGCTGCAGCAAAATCCGCTGCCAAGGTGGCTGCCAA  
AGCCAGCTCCGAGCTGCAGCTGGGCTTGGTGTGGCATCCCTGGACTTGGAGTTGGTGTGGCGTCCCT  
GGACTTGGAGTTGGTGTGGTGTTCCTGGACTTGGAGTTGGTGTGGTGTTCCTGGCTTCGGGGCAGTAC  
CTGGAGCCCTGGCTGCCGCTAAAGCAGCCAAATATGGAGCAGCAGTGCCTGGGGTCTTGGAGGGCTCGG  
GGCTCTCGGTGGAGTAGGCATCCAGGCGGTGTGGTGGGAGCCGACCCGCCGCCGCTGCCGAGCC  
AAAGCTGTGCCAAAGCCGCCAGTTTGGCCTAGTGGGAGCCGCTGGGCTCGGAGGACTCGGAGTCGGAG  
GGCTTGGAGTTCCAGGTGTTGGGGCCTTGGAGGTATACCTCCAGCTGCAGCCGCTAAAGCAGCTAAATA  
CGGAGTGGCAGCAAGACCTGGCTTCGGATTGTCTCCATTTTCCAGGTGGGGCTGCCTGGGAAAAGCT  
TGTGGCCGAAGAGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001278912.2](#)

**RefSeq Size:** 3735 bp

**RefSeq ORF:** 2121 bp

**Locus ID:** 2006

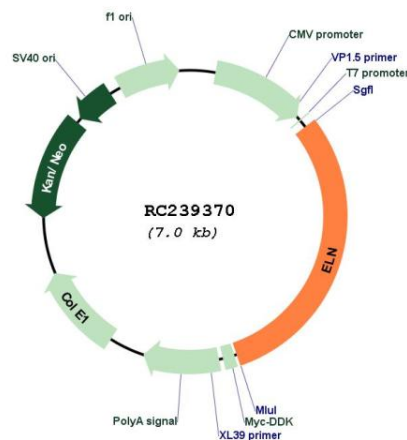
**Cytogenetics:** 7q11.23

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**MW:** 61.6 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC239370