

Product datasheet for SC213237

Elastin (ELN) (NM_000501) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Elastin (ELN) (NM_000501) Human 3' UTR Clone
Symbol:	Elastin
Synonyms:	ADCL1; SVAS; WBS; WS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000501
Insert Size:	1237 bp
Insert Sequence:	>SC213237 3'UTR clone of NM_000501 The sequence shown below is from the reference sequence of NM_000501. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGAAAGCTTGTGGCCGGAAGAGAAAATGAGCTTCCTAGGACCCCTGACTCAGCACCTCATCAACGTTG
GTGCTACTGCTTGGTGGAGAATGTAACCCCTTTGTAACCCCATCCCATGCCCTCCGACTCCCCACCCC
AGGAGGGAACGGCAGGCCGGCGGCCTTGAGATCCACAGGGCAAGGAAACAAGAGGGGAGCGGCCAA
GTGCCCGACCAGGAGGCCCTACTTCAGAGGCAAGGGCCATGTGGTCCTGGCCCCCACCCATCCC
TTCCACCTAGGAGCTCCCCCTCCACACAGCCTCCATCTCCAGGGGAAGTTGGTGTACACGCTGGTGC
TCTTATCTTCTGGGGGAGGGAGGAGGGAAGGGTGGCCCTCGGGGAACCCCTACCTGGGGCTCCTC
TAAAGATGGTGCAGACACTTCTGGGCAGTCCCAGCTCCCCCTGCCACCAGGACCCACCGTTGGCTGC
CATCCAGTTGGTACCAAGCACCTGAAGCCTCAAAGCTGGATTGCTCTAGCATCCCTCCTCCTGGG
TCCACTTGGCCGTCTCCTCCCCACCGATCGCTGTTCCCCACATCTGGGGCGCTTTTGGGTTGGAAAACC
ACCCACACTGGGAATAGCCACCTTGCCCTTGTAGAATCCATCCGCCATCCGTCCATTCATCCATCGG
TCCGTCCATCCATGTCCCAGTTGACCGCCCGGCCACCACTAGCTGGCTGGGTGCACCCACCATCAACT
GGTTGACCTGTGATGGCCGCTGTGCCCTGCCCTCCACCCCATCTACACTCCCCAGGGCGTGGGGG
CTGTGCAGACTGGGGTGCCAGGCATCTCCTCCCCACCGGGGTGCCCCACATGCAGTACTGTATACCC
CCCATCCCTCCCTCGGTCCACTGAACTTCAAGAGATTCCATTCTGCCCGCCCATCTTTTTGTGTC
TCGCTGTGATAGATCAATAAATATTTATTTTTGTCCTGGATATTTGGGGATTATTTTGTATTGTA
TATTCTTTTTGGTTTTATTGTTGGTTCATTGAAAAAAAAGATAATTTTTTTTTCTGATCCGGGGA
GCTGTATCCCCAGTAGAAAAACATTTAATCACTCTAATAAATACTGGATGAAACACACCTTTTTTT
TTAATAAGAAAAGAGAATTAAGTCTTCAGAAATGACTAATAAATAAAGAAAACTTTAAAGGAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000501.4
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 supraaortic stenosis (SVAS) and autosomal dominant cutis laxa. [provided by RefSeq, Aug 2017]
Locus ID:	2006
MW:	45.1