

## Product datasheet for **RG239561**

### Elastin (ELN) (NM\_001278939) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elastin (ELN) (NM_001278939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Elastin
Synonyms:	ADCL1; SVAS; WBS; WS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239561 representing NM\_001278939.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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CCTGGTGGAGTGGCTGACGCTGCTGCAGCCTATAAAGCTGCTAAGGCTGGCGCTGGGCTTGGTGGTGTG
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CGGAAGAGAAAA
ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239561  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MAGL TAAAPRPGVLLLLLSILHPSRPGGVPGAIPGGVPGGVFYPGAGLGALGGGALGPGGKPLKPVPGG
LAGAGLGAGLGAFPAVTFPGALVPGGVADAAAA YKAAKAGAGLGGVPGVGG LGVSAGAVPQPGAGVKP
GKVPGVGLPGVYPGGVLPGARFPVGVLPVPTGAGVKPKAPGVGGAFAGIPGVGPFGGPQPGVPLGYP
IKAPKLPGGYGLPYTTGKLPYGYGPGGVAGAAGKAGYPTGTGVPQAAAAAAAAKAAKFGAGAAGVLPG
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MGYGFYHFGTYPSGYENPFLHAINNGGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
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```

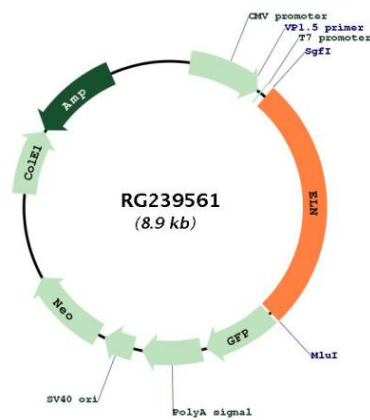
**Restriction Sites:** Sgfl-MluI



**RefSeq:** [NM\\_001278939.1](#), [NP\\_001265868.1](#)  
**RefSeq Size:** 3967 bp  
**RefSeq ORF:** 2361 bp  
**Locus ID:** 2006  
**UniProt ID:** [P15502](#)  
**Cytogenetics:** 7q11.23  
**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane  
**MW:** 68.8 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 RG239561