

IDENTIFICATION

Species: *Citrus clementina*

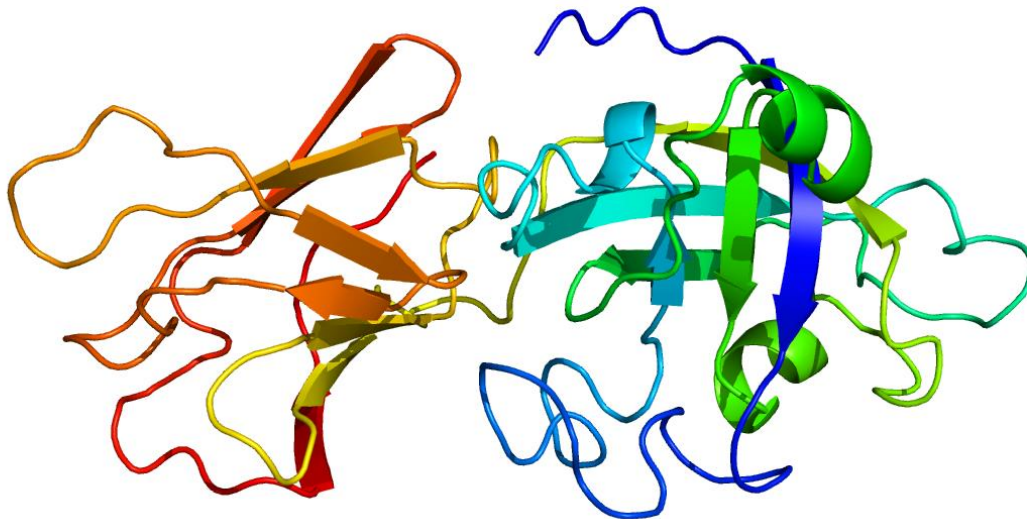
Locus: Ciclev10010279

Gene Model: Ciclev10010279m

Description: CclEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

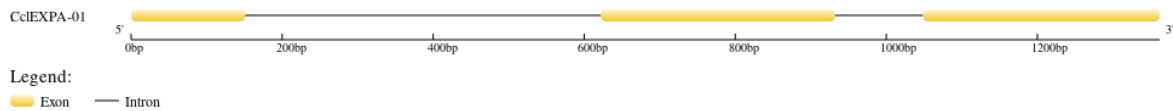
Phytozome: https://phytozome-next.jgi.doe.gov/info/Cclementina_v1_0

KEGG: <https://www.genome.jp/entry/T02982>

EXTERNAL RESOURCES

<https://www.citrusgenomedb.org/organism/Citrus/clementina>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CclEXPA-01

MGPVVA VVPPRFWHFFLILSMGFV GINGQVNRWLNAHATYYGADQSPSTLGGACGY
DNTIHAGFGVNTAAVSGVLFRRGGQACGACYQLMCDYRADPKWCLR HATVTLTATN
FCPPNNHGGWCDPPRQHFDMSMPAFFRIARQNEGIVPILYKRVACKRRGGVHFTLK
GQSNFNMVMFSNVGGSGDLKGAWVRGSRTKTWIAMQRNWGANWSSSVDLRIQRL
SFKLTLVDGRTQLFFNVVPSSWSFGQTFSSRNQFY*

CDS (coding sequence)

>CclEXPA-01

ATGGGTCCAGTTGTTGCCGTTGTTCCCTCCTCGATTTTGGCACTTTTCTTGATTTTG
AGTATGGGTTTTGTGGGCATCAATGGCCAGGTTAACCGCTGGCTTAATGCTCATG
CTACTTACTATGGTGCTGATCAAAGCCCCCTCCACTCTTGGAGGAGCTTGTGGGTAT
GATAACACAATCCACGCTGGATTTCGGAGTGAACACAGCCGCCGTGAGTGGTGTTC
TTTTCCGGGGCGGCCAAGCCTGCGGGCCTTGCTACCAGTTGATGTGTGACTACAG
GGCCGACCCCAAGTGGTGTGTTGCGCCACGCCACGGTCACCTTGACAGCCACCAAC
TTCTGCCCTCCGAATAACCACGGGGGTTGGTGTGACCCTCCCCGCCAACATTTG
ACATGTCCATGCCCGCATTCTTCCGAATTGCACGACAAGGCAACGAAGGCATTGT
TCCATACTCTATAAAAGGGTGGCGTGCAAGAGGAGAGGGGGAGTGCATTTTAC
ATTGAAGGGGCAGTCAAATTTCAACATGGTGTGTTCTCAAACGTGGGGGGAAG
CGGGGACCTGAAGGGTGCATGGGTTAGAGGGTCAAGGACAAAGACATGGATAGC
CATGCAAAGAACTGGGGAGCTAATTGGTCCAGCAGCGTCGACCTTCGAATCCA
AAGATTGTCTTTAAGCTCACTTTGGTTGATGGAAGAACCCAATTGTTCTTCAATG
TTGTGCCTTCTTCTTGGAGTTTCGGCCAGACTTTTTCTTCCCGAAATCAGTTTTATT
AA

Nucleotide

>CclEXPA-01

ATGGGTCCAGTTGTTGCCGTTGTTCCCTCCTCGATTTTGGCACTTTTCTTGATTTTG
AGTATGGGTTTTGTGGGCATCAATGGCCAGGTTAACCGCTGGCTTAATGCTCATG
CTACTTACTATGGTGCTGATCAAAGCCCCCTCCACTCTTGGTAAATATTCTAATTAA
TTATTTGCATCCACAACTAGTTATGCTTTTGTATTGTTACTTTCGTTATTATTTAAA

TGGTGCAAATTTATATATATATATATATATATAATTATTTTCAAGTACGGCAC
CCTCATTTTTTTTAATGTGGAGATACTGTTAAACTGTGGGGTTTAAATAGAATTATT
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AACCGCACGGCTTAAAAGTGTACTCGCATGAGGAAAATGAGAGACTCACACCAA
AGAGGGATTATATATATATATATATATATATAGTTTAAATTTATGTAAATATTTGGAT
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AACACAGCCGCCGTGAGTGGTGTCTTTTCCGGGGCGGCCAAGCCTGCGGCGCTT
GCTACCAGTTGATGTGTGACTACAGGGCCGACCCCAAGTGGTGTGCGCCACGC
CACGGTCACCTTGACAGCCACCAACTTCTGCCCTCCGAATAACCACGGGGGTTGG
TGTGACCCTCCCCGCCAACATTTTGACATGTCCATGCCCGCATTCTTCCGAATTGC
ACGACAAGGCAACGAAGGCATTGTTCCCATACTCTATAAAAAGGTAACCATAGAA
TATACGTTATATGTTATAGCTAATATCAAATTCGCATTTTAAAATGTGACGCACAT
CATTATTATTAGTAATCACGAAAGTAATAGCTTATGCATATTGCGTAGGGTGGC
GTGCAAGAGGAGAGGGGGAGTGCATTTACATTGAAGGGGCAGTCAAATTTCAA
CATGGTGTGTTCTCAAACGTGGGGGGAAGCGGGGACCTGAAGGGTGCATGGGT
TAGAGGGTCAAGGACAAAGACATGGATAGCCATGCAAAGAACTGGGGAGCTAA
TTGGTCCAGCAGCGTCGACCTTCGAATCCAAGATTGTCTTTAAGCTCACTTTGG
TTGATGGAAGAACCCAATTGTTCTTCAATGTTGTGCCTTCTTCTTGGAGTTTCGGC
CAGACTTTTTCTTCCCGAAATCAGTTTTATTAA