

IDENTIFICATION

Species: *Citrus sinensis*

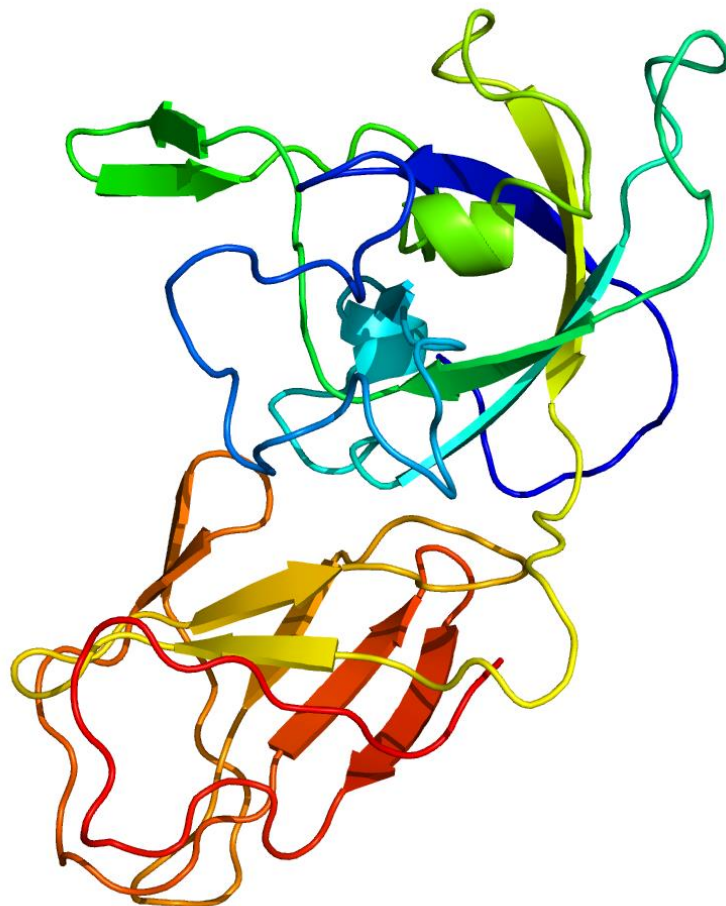
Locus: orange1.1g025347m

Gene Model: orange1.1g025347m

Description: CisEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Csinensis_v1_1

Kegg: <https://www.genome.jp/entry/T02983>

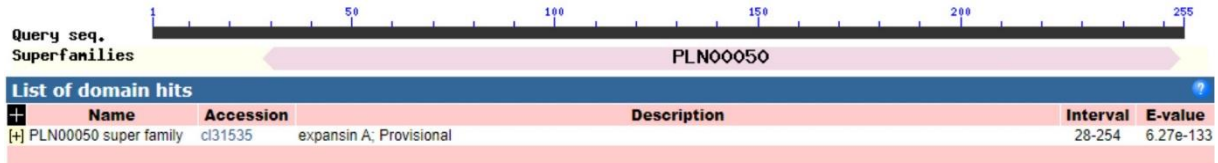
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CisEXPA-19

MTNIAASSSVALLLFVLNFCFRGTFGDYGGGWQSGHATFYGGGDASGTMGGACGY
GNLYSQGYGTNTAALSTALFNGLSCGSCYEMKCENDPKWCLPGSIIVTATNFCPPN
LALSNDNGGWCNPPLQHFDMAEPAFLQIAQYRAGIVPISFRRIPCAKKGIRFTVNGH
SYFNLVLITNVGGAGDVHSVSIKGSKTGWQAMSRNWGQNWQSN SYLNGQSLSFQLT
ASDGRTVTSNNVPGNWQFGQTFEGGQF*

CDS (coding sequence)

>CisEXPA-19

ATGACCAATATTGCAGCATCATCTAGCGTTGCTCTCCTTTTGTGGTCAATTT
TGCTTTCGTGGCACATTTGGAGACTATGGTGGTGGGTGGCAAAGTGGCCATGCAA
CTTTCTATGGCGGGGGTGTATGCTTCCGGCACAAATGGGTGGTGTCTGTGGGTATGG
CAATTTGTACAGCCAAGGCTATGGGACTAACACTGCAGCACTCAGTACCGCTCTA
TTCAACAATGGCCTAAGCTGTGGTTCATGCTATGAAATGAAATGTGAAAATGACC
CCAAGTGGTGCCTCCCCGGCTCCATCATTGTCACCGCCACCAACTTCTGCCACCT
AACCTTGCCCTGTCTAACGACAACGGCGGTTGGTGCATCCTCCCCTCCAGCACT
TTGACATGGCTGAGCCCGCTTTCTTGCAAATTGCCCAATACCGCGCCGGCATCGT
CCCAATTCCTTCAGAAGGATCCCGTGTGCGAAGAAAGGAGGAATAAGGTTTACC
GTCAATGGACACTCATACTTCAACCTGGTTTTGATCACAATGTCCGGAGGAGCAG
GAGATGTACATTCAGTATCAATCAAGGGTTCAAAGACTGGATGGCAAGCAATGTC
AAGGAACTGGGGCCAAAATTGGCAGAGCAATTCTTATCTTAACGGCCAAAGTCTT
TCTTTCCAATTGACAGCCAGTGACGGCAGGACTGTGACTAGCAACAATGTTGTGC
CTGGAAATTGGCAATTTGGGCAAACCTTTGAGGGTGGTCAGTTTTAG

Nucleotide

>CisEXPA-19

AAGCCACTAAGCACTCAAAGCATCTCTTTTTTCTTAACAAAAAACACATAAAC
ATAAGCAGCCAGCAGTAGCAGCCATGACCAATATTGCAGCATCATCTAGCGTTGC
TCTCCTTTTGTGGTCAATTTTGTCTTCGTGGCACATTTGGAGACTATGGTGG
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ATGTACATTCAGTATCAATCAAGGGTTCAAAGACTGGATGGCAAGCAATGTCAAG
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TTCCAATTGACAGCCAGTGACGGCAGGACTGTGACTAGCAACAATGTTGTGCCTG
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CGTCATCTTTTGGCTAGTTGATAAATCAACAATTACCTCTTAAAAATGTGATAAA
AATAAAAAATCAAAAAGCCTCATATTTATGTTACT