

## IDENTIFICATION

**Species:** *Citrus sinensis*

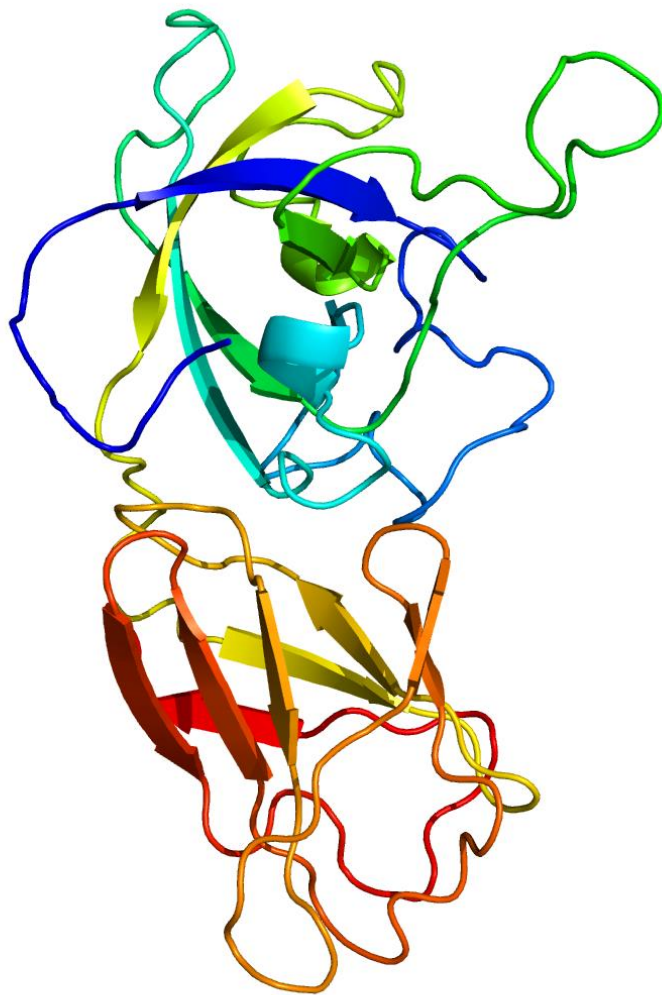
**Locus:** orange1.1g025740m

**Gene Model:** orange1.1g025740m

**Description:** CisEXPA-04

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

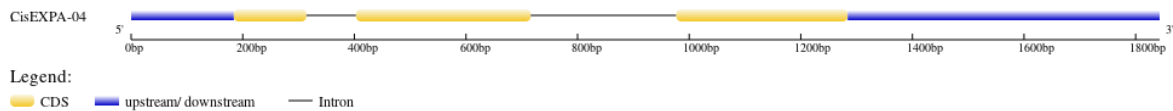
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Csinensis\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Csinensis_v1_1)

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

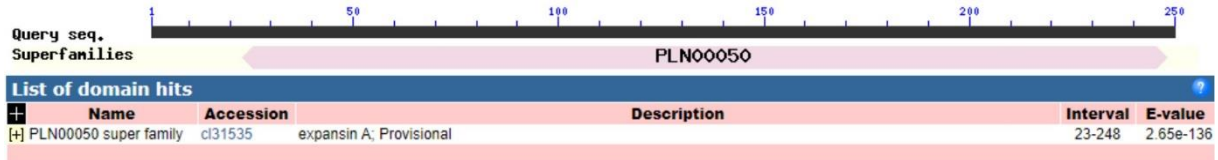
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CisEXPA-04

MYFAGFFSLGFLALVSSVHANGGGGWINARATFYGGGDASGTMGGACGYGNLYSQ  
GYGTNTAALSTALFNGLSCGSCYEIKCVNDPKWCLPGTIMVTATNFCPPNNALPNN  
AGGWCNPPQQHFDLSQPVFQHIAQYRAGVVPVAYKRVPCGRRGGIRFTINGHSYFNL  
VLITNVGGAGDVHAVSIKGSRTGWQPMSRNWQNWQSNLYLNGQSLSFVTTSDG  
RTVTSYNVAPAGWSFGRRTYSGAQR\*

### CDS (coding sequence)

>CisEXPA-04

ATGTATTTTGCTGGGTTTTCTCGTTGGGTTTCCTTGCATTGGTGTCCCTCCGTTTCAT  
GCTAATGGAGGCGGTGGGTGGATCAATGCTCGTGCCACTTTCTATGGTGGTGGCG  
ATGCTTCAGGACTATGGGTGGGGCTTGTGGCTATGGGAATCTGTATAGCCAGGG  
TTATGGAACGAACACTGCAGCCTTGAGCACGGCTTTGTTCAACAACGGTTTGAGC  
TGTGGGTCTTGCTATGAGATTAAGTGTGTTAATGACCCCAAATGGTGCCTGCCCG  
GCACCATTATGGTCACAGCTACCAATTTTTGCCACCGAACAACGCCCTTCCCAA  
CAATGCAGGCGGTTGGTGCAATCCTCCGCAGCAACATTTTGATCTCTCTCAGCCT  
GTGTTCCAACACATTGCTCAATACAGAGCTGGAGTTGTCCCTGTAGCTTACAAGA  
GGGTACCCTGCGGAAGAAGGGGAGGCATCAGGTTTACAATCAATGGCCATTCTT  
ACTTCAACCTAGTGTTGATCACCAACGTTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
TCAATCAAAGGTCTAGAAGTGGCTGGCAGCCAATGTCAAGAACTGGGGCCAA  
AACTGGCAAAGCAACACTTATCTCAATGGCCAAAGCCTGTCATTTGAGGTCACCA  
CAAGCGATGGCCGTAAGTGTGACTTCTTACAATGTTGCCCTGCTGGCTGGTCCCTT  
GGCCGAACCTACTCCGGTGCTCAATTCCGCTAG

### Nucleotide

>CisEXPA-04

GCCTCGCATTTCCTCTCTCTCTTTCTCTACTCTGCTTCTGGGCTTCCAATTTCTCCA  
AGTAATTAATCATCTTTCTTGTGACATTTCTTTTTATGTTAAATGAAAGTAC  
ACTTTTGAAGTTGCAATGTCATAAAATGCTTAAGGGTTAATCTTTTTCTTTAAA  
AATTATTCAGGAAAATGTATTTTGCTGGGTTTTCTCGTTGGGTTTCCTTGCATTG  
GTGTCCTCCGTTTCATGCTAATGGAGGCGGTGGGTGGATCAATGCTCGTGCCACTT

