

## IDENTIFICATION

**Species:** *Cucumis sativus*

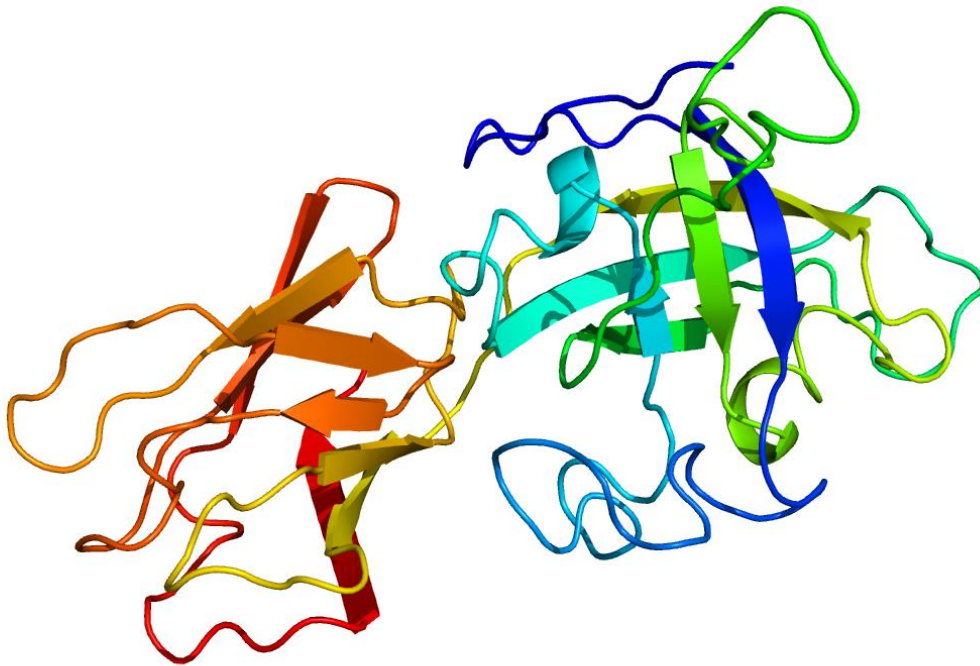
**Locus:** CsGy6G014250

**Gene Model:** CsGy6G014250.1

**Description:** CsEXPA-18

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

<http://cucurbitgenomics.org/>

KEGG: <https://www.genome.jp/entry/T02486>

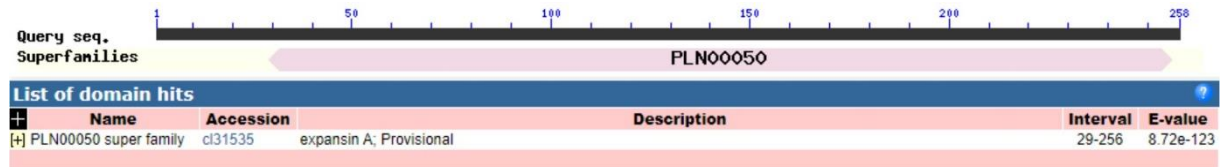
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CsEXPA-18

MATPFSLCIPLLLSFSLLIEARIPGVVYSGGPWQSAHATFYGGSDASGTMGGACGYGNL  
YSQGYGVNTAALSTALFNKGQSCGACFEIKCANDPRWCHSGSPSILITATNFCPPNYA  
LPNDNGGWCNPPRSHFDLAMPMFLKIAEYRAGIVPVS YRRVPCRKQGGIRFTINGFR  
YFNLVLITNVAGAGDIVRVS VKGTRTGWMSLTRNWGQNWQSNVAVLVGQALSFRVT  
GSDRRSTSTSWNIAPAHWQFGQTFTGKNFRV

### CDS (coding sequence)

>CsEXPA-18

ATGGCCACTCCATTCTCTCTGCAATCCCCTTCTTCTCATTTCCTCCTAATC  
GAAGCCAGAATCCCCGGAGTTTACTCCGGCGGCCCATGGCAGAGTGCCACGCTA  
CTTTCTACGGCGGCTCCGACGCTTCCGGCACAAATGGGTGGAGCTTGTGGGTACGG  
GAATTTGTACAGCCAAGGCTACGGCGTTAACACCGCGGCGCTTAGTACTGCGCTT  
TTCAACAAGGGTCAGAGCTGCGGCGCTTGCTTTGAAATTAAGTGTGCTAATGATC  
CAAGATGGTGCCATTCTGGTAGCCCGTCGATATTGATTACTGCTACTAATTTCTGC  
CCGCCGAACTATGCTCTTCCGAACGATAATGGCGGCTGGTGTAAATCCCCCGAGGT  
CTCATTTTGACCTCGCTATGCCTATGTTCCCTTAAAATCGCTGAGTACCGCGCCGGA  
ATCGTCCCCGTTTCGTACCGCCGAGTACCATGCCGTAAGCAAGGAGGAATCCGGT  
TCACCATCAACGGGTTTCGTTACTTCAATCTGGTTCTAATAACGAACGTGGCAGG  
GGCAGGGGATATCGTGAGGGTGAGTGTGAAAGGAACAAGAACCGGTTGGATGAG  
TTTAAACAAGAACTGGGGACAGAATTGGCAATCCAACGCAGTATTGGTGGGTCA  
AGCTCTTTCTTTTAGAGTGACGGGCAGCGACCGACGAACCTCAACGTCATGGAAC  
ATTGCCCCCGCTCATTGGCAGTTCGGCCAAACTTTCACCGGCAAGA ACTTCCGTG  
TGTA

### Nucleotide

>CsEXPA-18

ATGGCCACTCCATTCTCTCTGCAATCCCCTTCTTCTCATTTCCTCCTAATC  
GAAGCCAGAATCCCCGGAGTTTACTCCGGCGGCCCATGGCAGAGTGCCACGCTA  
CTTTCTACGGCGGCTCCGACGCTTCCGGCACAAATGGGTACATTTTAGTTAACTCC

TTCAAACCTCTACTTCTTACATTCAATGTGTATATGCTTAACTCCCAACTTTGCAGG  
TGGAGCTTGTGGGTACGGGAATTTGTACAGCCAAGGCTACGGCGTTAACACCGCG  
GCGCTTAGTACTGCGCTTTTCAACAAGGGTCAGAGCTGCGGCGCTTGCTTTGAAA  
TTAAGTGTGCTAATGATCCAAGATGGTGCCATTCTGGTAGCCCGTCGATATTGATT  
ACTGCTACTAATTTCTGCCC GCCGA ACTATGCTCTTCCGAACGATAATGGCGGCT  
GGTGTAATCCCCCGAGGTCTCATTTTGACCTCGCTATGCCTATGTTCCCTTAAAATC  
GCTGAGTACCGCGCCGGAATCGTCCCCGTTTCGTACCGCCGGTAAGTCTTTTGCG  
AATGCGAATTAATTTGAAGGTCCTTAAAAAATGTATGGGTGAAACTTGAAAATA  
ATGTACGAGTAGAAAGTAAAAAGTAGAAGTAGGGATTCAGCATTGAAGTAGGGT  
GATACTAGGAGAAATGATAAGATATATGATGGATGTTTTAGTACTATGGGCTCTA  
ACGTTTGGGTATATAATTACGCAGAGTACCATGCCGTAAGCAAGGAGGAATCCG  
GTTACCATCAACGGGTTTCGTTACTTCAATCTGGTTCTAATAACGAACGTGGCA  
GGGGCAGGGGATATCGTGAGGGTGAGTGTGAAAGGAACAAGAACCGGTTGGATG  
AGTTTAACAAGAACTGGGGACAGAATTGGCAATCCAACGCAGTATTGGTGGGT  
CAAGCTCTTTCTTTTAGAGTGACGGGCAGCGACCGACGAACCTCAACGTCATGGA  
ACATTGCCCCCGCTCATTGGCAGTTCGGCCAACTTTCACCGGCAAGA ACTTCCG  
TGTGTAA