

## IDENTIFICATION

**Species:** *Cucumis sativus*

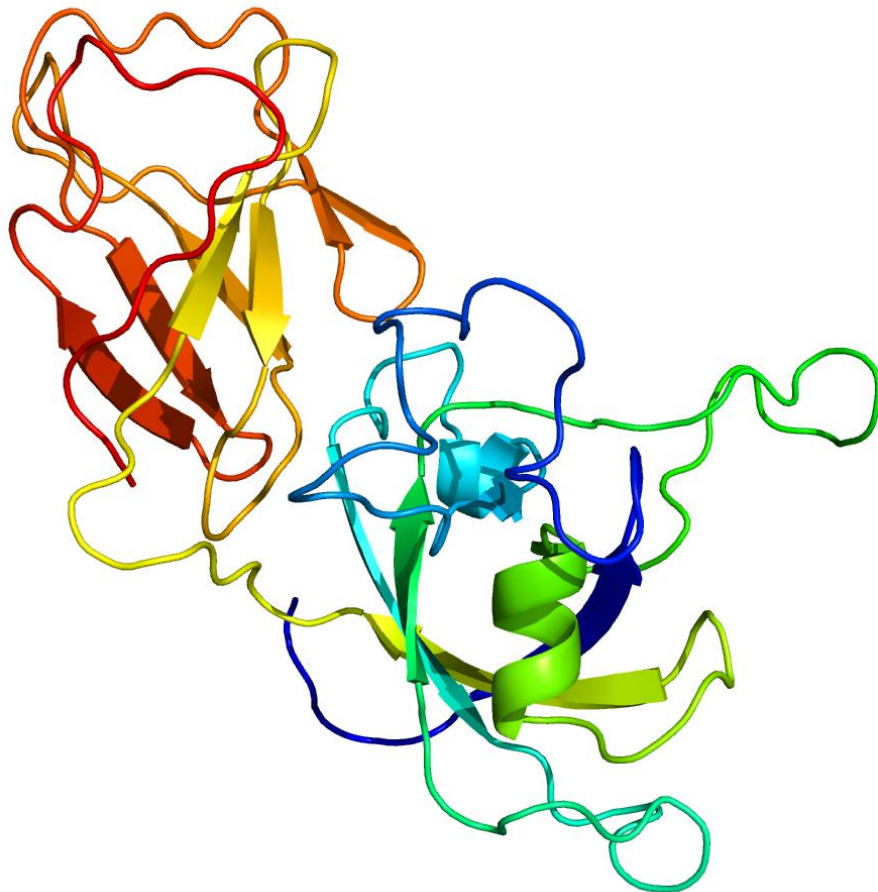
**Locus:** CsGy5G017510

**Gene Model:** CsGy5G017510.1

**Description:** CsEXPA-13

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

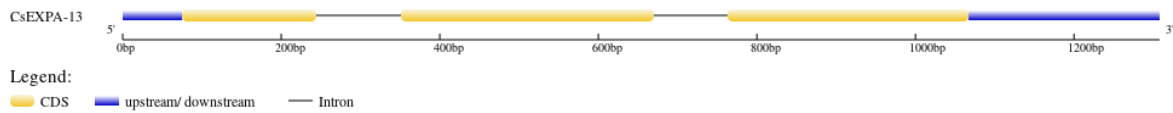
<http://cucurbitgenomics.org/>

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

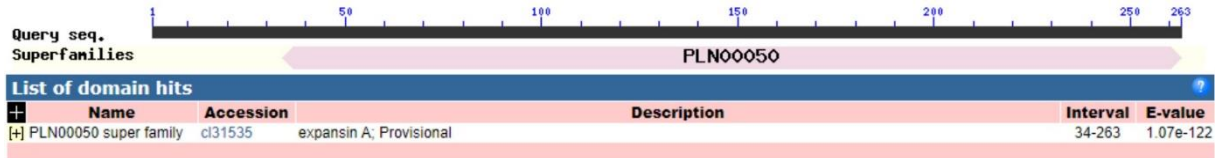
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CsEXPA-13

MVPTISTIFLISFSNFLLTMSLPFENRALIGGLHGAGPWHNAHATFYGGNDAAGTMGG  
ACGYGNLYSQGYGVNTAALSTALFNDGYSCGACFEIKCVNDPQWCHAGNPSIFVTA  
TNFCPPNYALPNDNGGWCNPPRPHFDLSMPMFLKIAQYRAGIVPVSFRRVACRREGG  
MRFTINGFKYFNLVLITNVGGAGDIVSVSIKGSKTGWMSMTRNWGQNWQSNTVLVG  
QSLSFRVKSSDNRISTSSNIVPSHWQFGQTFIGKNF

### CDS (coding sequence)

>CsEXPA-13

ATGGTGCCAACTATTTCCACAATCTTTCTCATCTCATTCTCTAATTTCTTGCTAACA  
ATGTCATTACCATTTGAAAACAGAGCGCTCATCGGAGGTCTTCACGGCGCCGGAC  
CATGGCACAATGCTCATGCTACTTTCTACGGCGGAAATGACGCTGCCGGCACAAT  
GGGCGGCGCGTGTGGTTACGGCAACTTGTACAGCCAAGGCTATGGCGTGAACAC  
GGCGGCGCTCAGCACAGCTCTTTTCAACGACGGATACAGCTGCGGAGCTTGTTTC  
GAGATCAAGTGTGTTAATGACCCGCAATGGTGCCACGCCGGTAACCCTTCTATTT  
TTGTGACGGCCACCAATTTTTGTCTCCCAATTATGCTCTGCCTAATGACAATGGT  
GGATGGTGCAACCCTCCTCGCCCTCACTTCGACCTCTCCATGCCCATGTTTCTTAA  
GATTGCCCAATACCGTGCCGGTATTGTTCCCGTCTCCTTTCGCAGAGTGGCATGTC  
GGAGGGAGGGAGGAATGAGGTTTACGATCAACGGATTTAAATACTTCAATTTAGT  
ATTGATAACCAACGTGGGAGGCGCAGGGGATATTGTGAGTGTGAGTATCAAAGG  
GTCGAAGACAGGGTGGATGAGTATGACACGTAATTGGGGTCAAACCTGGCAATC  
AAACACCGTTTTTGGTGGGTCAGTCACTTTCGTTTAGGGTTAAGAGCAGTGATAAT  
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### Nucleotide

>CsEXPA-13

CTTCTTCGTCTTCTTCAATCCCACAAACTTCTACTTCAAACCTCAAACCTCTCTACTCT  
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CAAAA ACTTCTAATTCTTGATTTTGGGTTTCTGATTTGGTGTTGCAATGAATCATC  
TCTCTATGCAGTGGAAAATTTAATGTTTTAAGTTAGTGATAATGATCCTATAGTA  
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