

## IDENTIFICATION

**Species:** *Linum usitatissimum*

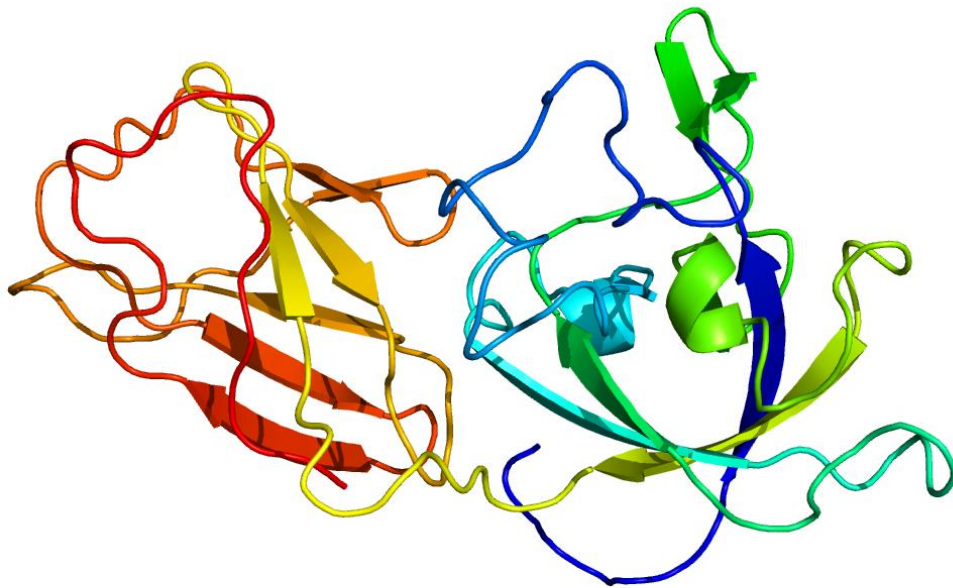
**Locus:** Lus10034227

**Gene Model:** Lus10034227

**Description:** LusEXPA-19

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Lusitatissimum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0)

KEGG: <https://www.genome.jp/entry/D12016>

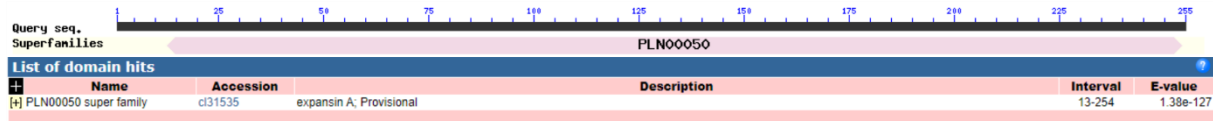
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LusEXPA-19

MTSSSIPTMVSSVLLLVAITVSGAFADYGGWVGGHATFYGGGDASGTMGGACGYGN  
LNSQGYGTNTAALSTALFNGLSCGACYELQCNN DPRWCLPGSIIVTATNFCPPNLGL  
SNDNGGWCNPPLEHFDLAEP AFLQIAQYRAGIVPVSFRRVPCMKRGGV RFTINGHSY  
FNLVLVTNVGGAGDVRSVSIKGSKSSGWQSMSRNWQNWQSN SYMNGQSLSFQVT  
TSDGRTLTSYNVAPAGWQFGQTFEGLQF\*

### CDS (coding sequence)

>LusEXPA-19

ATGACTTCTTCTTCCATTCCCTACAATGGTGTCTCTGTTCTTTTGCTAGTGGCGATC  
ACTGTCTCCGGCGCTTTTGCCGACTACGGCGGATGGGTGGGCGGCCACGCCACCT  
TCTACGGCGGCGGCGATGCTTCTGGCACAATGGGAGGGGCTTGTGGATATGGGA  
ACTTGAACAGCCAAGGGTACGGTACAAACACTGCAGCTTTGAGTACCGCATTGTT  
CAACAATGGGCTGAGCTGCGGAGCTTGCTATGAGCTCCAATGCAACAACGACCC  
GAGATGGTGCCTCCCTGGCTCGATCATCGTCACCGCCACTAATTTCTGCCCTCCGA  
ACTTGGGGTTGTCCAATGACAACGGTGGATGGTGTAAACCCTCCGCTTGAGCATTT  
TGATTTGGCTGAGCCGGCTTTCCTCCAGATTGCTCAGTACAGGGCAGGGATCGTT  
CCCGTCTCTTTCAGAAGGGTGCCCTGCATGAAGAGAGGAGGGGTGAGGTTCACTA  
TCAACGGGCATTCGTATTTCAACCTGGTGTCTGGTCACGAACGTGGGAGGTGCCGG  
AGACGTGCGAAGCGTTTCGATTAAGGGATCAAAGTCGTCGGGTGGCAGAGCAT  
GTCGAGGAATTGGGGTCAGAACTGGCAGAGCAACTCGTACATGAATGGCCAGAG  
CTTGTCTTTCCAAGTTACCACTAGCGATGGCCGGACCTTGACCAGCTACAACGTG  
GCCCCCGCAGGATGGCAGTTTGGCCAGACCTTCGAAGGCCTTCAGTTCTAA

### Nucleotide

>LusEXPA-19

ATGACTTCTTCTTCCATTCCCTACAATGGTGTCTCTGTTCTTTTGCTAGTGGCGATC  
ACTGTCTCCGGCGCTTTTGCCGACTACGGCGGATGGGTGGGCGGCCACGCCACCT  
TCTACGGCGGCGGCGATGCTTCTGGCACAATGGGTATGTGTCAAATCCACTCTT  
TTGGTGTGTGATTTTGCTCCAGAGTTTATCTAACAAGGTGTTATAAGAGAATAA  
ATTGTTTGTGTTGATATGTTTGTGTTATTGCTTTTTATCCAAAATGATGTTATTAGT  
CATCCCAATATTTCAATCAGTCTGGTTGTCAATATTTACCCATTTTTGTGTACAAT

CTTTTGGACCAGAGTCAAATCATACATTACATTACAATTTTTGAAAATAATAATTA  
ACTAGTAACAAAAGTTTGAATCTTTTTCAAATATTGATACAGGAGGGGCTTGTGG  
ATATGGGAACCTTGAACAGCCAAGGGTACGGTACAAACACTGCAGCTTTGAGTAC  
CGCATTGTTCAACAATGGGCTGAGCTGCGGAGCTTGCTATGAGCTCCAATGCAAC  
AACGACCCGAGATGGTGCCTCCCTGGCTCGATCATCGTCACCGCCACTAATTTCT  
GCCCTCCGAACCTGGGGTTGTCCAATGACAACGGTGGATGGTGTAACCCTCCGCT  
TGAGCATTTTGATTTGGCTGAGCCGGCTTTCCTCCAGATTGCTCAGTACAGGGCA  
GGGATCGTTCCCGTCTCTTTCAGAAGGTACTAATGGTAACCATTGGAGATGATGT  
TAGGAGTGTATTTTGACAACTTACTGGTTAACCAACATTTTATAAAAATGATCACT  
AATTCACGTTACTATATAAAAATAGATCCCCCTAATTTCAATATTCATACTAAACG  
ACCCTAATAGTGATTCCGAATGTGGTTTTGGTGATAACAGGGTGCCCTGCATGAA  
GAGAGGAGGGGTGAGGTTCACTATCAACGGGCATTCGTATTTCAACCTGGTGCTG  
GTCACGAACGTGGGAGGTGCCGGAGACGTGCGAAGCGTTTCGATTAAGGGATCA  
AAGTCGTCGGGTTGGCAGAGCATGTCGAGGAATTGGGGTCAGAACTGGCAGAGC  
AACTCGTACATGAATGGCCAGAGCTTGTCTTTCCAAGTTACCACTAGCGATGGCC  
GGACCTTGACCAGCTACAACGTGGCCCCCGCAGGATGGCAGTTTGGCCAGACCTT  
CGAAGGCCTTCAGTTCTAA