

## IDENTIFICATION

**Species:** *Linum usitatissimum*

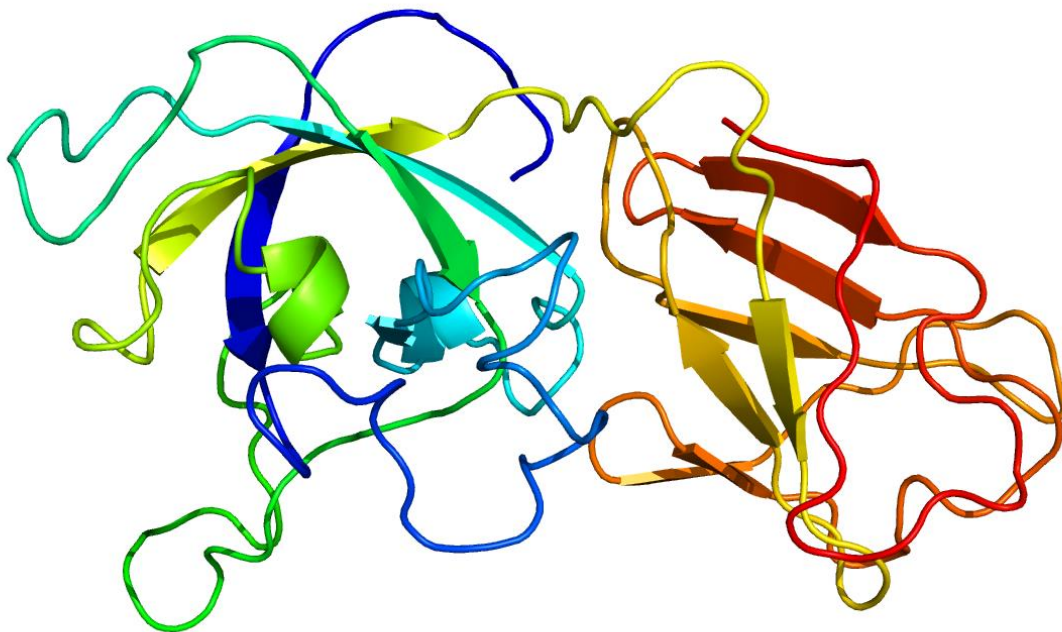
**Locus:** Lus10021845

**Gene Model:** Lus10021845

**Description:** LusEXPA-07

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

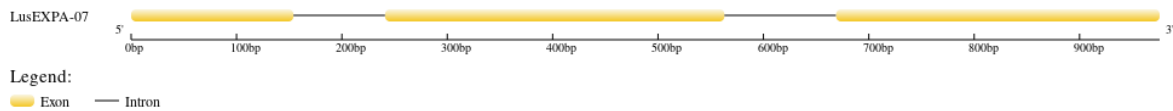
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Lusitatissimum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0)

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

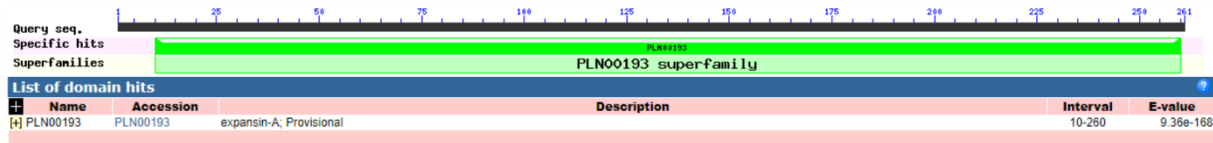
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LusEXPA-07

MALPLAFQWAAPLLLSLFFLIPSNVVI AFAPSAWTKGHATFYGGSDASGTMGGACGY  
GNLYSTGYGTRTAALSTALFNDGASCGEYKIICDFKTDPRWCIRGKSIKITATNFCPP  
NFAQPNDDGGWCNPPLKHFDMAQPAWEKIGIYRGGIIPVLYQRPCKKHGGVRF TIN  
GRDYFELVMISNVGGAGSIKSVSIKGSKTGWLTMSRNWGSNWQSNSYLDGQSLSFQ  
VTTTDGEMRTFNNIAPANWRFQTFSSPVQF\*

### CDS (coding sequence)

>LusEXPA-07

ATGGCTCTACCATTAGCCTTCCAATGGGCAGCACC ACTACTCTCCTTGTTCTT  
TCTCATTCCCAGTAATGTTGTTATCGCATTTGCTCCTTCTGCTTGGACCAAAGGCC  
ACGCCACTTTCTATGGCGGCAGTGACGCTTCTGGAACCATGGGTGGGGCTTGCGG  
GTATGGTAACTTGTACTCGACCGGGTACGGGACACGAACGGCTGCGTTGAGCACT  
GCTCTGTTCAATGATGGGGCATCCTGCGGGGAGTGTTACAAGATCATCTGTGACT  
TCAAACGGATCCTAGGTGGTGCATTAGGGGCAAGTCCATCAAGATCACCGCCAC  
GAATTTTTGTCTCCTCAAATTTTGCTCAGCCGAACGACGATGGAGGATGGTGCAAC  
CCACCCTTGAAGCACTTCGACATGGCTCAGCCAGCCTGGGAGAAGATTGGTATAT  
ACAGAGGCGGAATCATTCTGTCTGTACCAGAGGGTGCCATGTAAGAAGCACG  
GTGGAGTTAGGTTACAATCAACGGAAGAGACTACTTTGAGTTGGTGATGATTAG  
CAATGTTGGTGGAGCTGGATCTATTAATCGGTATCGATCAAGGGTTCGAAGACA  
GGGTGGTTGACCATGTCAAGGAATTGGGGATCGAATTGGCAATCGAATTCGTACC  
TCGACGGTCAGTCTCTTTCGTTCCAAGTGACAACCACTGACGGGGAAATGAGAAC  
TTCAACAACATTGCGCCGGCTAACTGGAGATTGGGGCAAACCTTCTCTAGTCCA  
GTACAGTTCTGA

### Nucleotide

>LusEXPA-07

ATGGCTCTACCATTAGCCTTCCAATGGGCAGCACC ACTACTCTCCTTGTTCTT  
TCTCATTCCCAGTAATGTTGTTATCGCATTTGCTCCTTCTGCTTGGACCAAAGGCC  
ACGCCACTTTCTATGGCGGCAGTGACGCTTCTGGAACCATGGGTACGTACTACTA  
TATCGAATTTGTTTCAGCCATATATATATACACACCTTTTTTATTTTAATTAATTTT

ATTCTTTTAATTAACAGGTGGGGCTTGCGGGTATGGTAACTTGTACTCGACCGGG  
TACGGGACACGAACGGCTGCGTTGAGCACTGCTCTGTTCAATGATGGGGCATCCT  
GCGGGGAGTGTTACAAGATCATCTGTGACTTCAAACGGATCCTAGGTGGTGCAT  
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AGGGTGCCATGTAAGAAGCACGGTGGAGTTAGGTTACAATCAACGGAAGAGAC  
TACTTTGAGTTGGTGATGATTAGCAATGTTGGTGGAGCTGGATCTATTAATCGG  
TATCGATCAAGGGTTCGAAGACAGGGTGGTTGACCATGTCAAGGAATTGGGGAT  
CGAATTGGCAATCGAATTCGTACCTCGACGGTCAGTCTCTTTCGTTCCAAGTGAC  
AACCACTGACGGGGAAATGAGA ACTTTCAACAACATTGCGCCGGCTAACTGGAG  
ATTCGGGCAAAC TTTCTCTAGTCCAGTACAGTTCTGA