

## IDENTIFICATION

**Species:** *Linum usitatissimum*

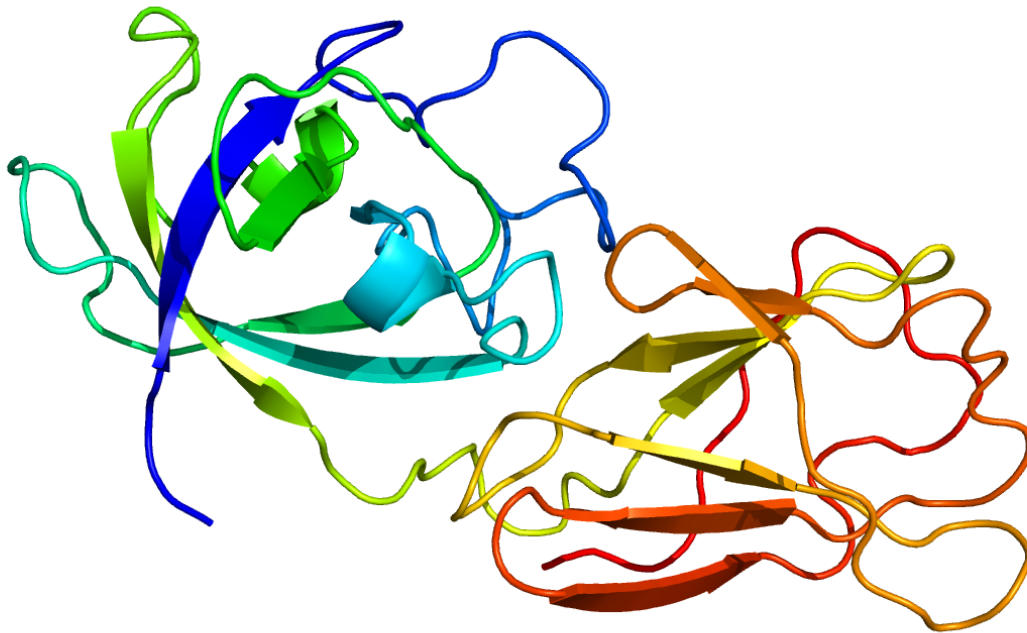
**Locus:** Lus10020257

**Gene Model:** Lus10020257

**Description:** LusEXPA-30

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

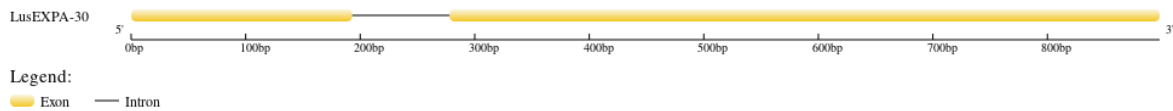
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Lusitatissimum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0)

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

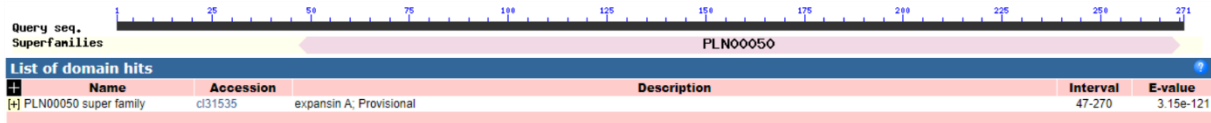
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LusEXPA-30

MNLWVRIALATLVSLSYSNLIQGHEKKSSHGSHLVDKKKQHAIAGKWTHAHATFYG  
GGDASGTMGGACGYGNLYSEGYGIKTAALSTALFNNGKSCGACYEIIICVDDSQWCK  
AANAITVTATNFCPANYAEPNNDGGWCNPPLEHFDLSVPIFLHIAQYKAGIVPVKYRR  
VTCKRIGGIRFTITGSA YFNLVLSNVGGAGDVVAMSVKGTKTRWMRMARNWGQN  
WQANDVLIGQELSFKTTTSDGRATVSNKVVPAGWKFGQTFTGNQF\*

### CDS (coding sequence)

>LusEXPA-30

ATGAATCTTTGGGTCAGAATAGCACTCGCAACGTTAGTATCCTTGTCGTATTCGA  
ACCTCATCCAGGGCCACGAAAAGAAATCGTCCCATGGCAGCCATCTAGTTGATAA  
GAAGAAGCAGCATGCCATAGCTGGGAAATGGACTCATGCTCATGCAACTTTCTAC  
GGAGGGGGCGACGCCTCCGGCACAATGGGCGGAGCGTGTGGCTACGGTAACCTC  
TACAGCGAAGGCTACGGCATAAAGACCGCCGCTTTGAGCACCGCCCTCTTCAACA  
ATGGCAAATCCTGCGGAGCCTGCTACGAGATAATTTGCGTGCACGATTCGCAGTG  
GTGTAAGCCGCGAATGCGATCACAGTCACCGCCACCAACTTCTGCCCCGCAAAC  
TACGCCGAACCAACAACGACGGCGGATGGTGCAACCCACCGCTGGAGCACTTC  
GACCTGTCTGTGCCGATATTCCTCCACATCGCACAGTACAAGGCCGGTATCGTAC  
CAGTAAAGTACAGGCGGGTGACATGCAAGCGTATTGGAGGGATTAGGTTTACGA  
TCACCGGGAGCGCGTATTTCAACCTAGTGCTGGTGAGCAATGTTGGGGGAGCGGG  
AGATGTTGTGGCGATGTCAGTGAAGGGGACCAAGACCAGGTGGATGCGGATGGC  
GAGGAACTGGGGACAGAACTGGCAGGCGAATGATGTACTTATAGGGCAGGAGTT  
GTCGTTTAAACTACTACGAGCGATGGCCGGGCAACGGTTTCAAATAAGGTGGTT  
CCGGCGGGATGGAAATTTGGACAGACTTTCACCGGAAATCAGTTCTGA

### Nucleotide

>LusEXPA-30

ATGAATCTTTGGGTCAGAATAGCACTCGCAACGTTAGTATCCTTGTCGTATTCGA  
ACCTCATCCAGGGCCACGAAAAGAAATCGTCCCATGGCAGCCATCTAGTTGATAA  
GAAGAAGCAGCATGCCATAGCTGGGAAATGGACTCATGCTCATGCAACTTTCTAC  
GGAGGGGGCGACGCCTCCGGCACAATGGGTACGTAACATAAACCCGAGTCCTCG  
AAAACCATTTCGCGACGAAGACTTAGTCTTTAATCTAAAAAACTCGCGTCCCCT

ACAGGCGGAGCGTGTGGCTACGGTAACCTCTACAGCGAAGGCTACGGCATAAAG  
ACCGCCGCTTTGAGCACCGCCCTCTTCAACAATGGCAAATCCTGCGGAGCCTGCT  
ACGAGATAATTTGCGTCGACGATTCGCAGTGGTGTAAAGCCGCGAATGCGATCAC  
AGTCACCGCCACCAACTTCTGCCCCGCAAACTACGCCGAACCAACAACGACGG  
CGGATGGTGAACCCACCGCTGGAGCACTTCGACCTGTCTGTGCCGATATTCCTC  
CACATCGCACAGTACAAGGCCGGTATCGTACCAGTAAAGTACAGGCGGGTGACA  
TGCAAGCGTATTGGAGGGATTAGGTTTACGATCACCGGGAGCGCGTATTTCAACC  
TAGTGCTGGTGAGCAATGTTGGGGGAGCGGGAGATGTTGTGGCGATGTCAGTGA  
AGGGGACCAAGACCAGGTGGATGCGGATGGCGAGGAACTGGGGACAGAACTGG  
CAGGCGAATGATGTACTTATAGGGCAGGAGTTGTCGTTTAAAACTACTACGAGCG  
ATGGCCGGGCAACGGTTTCAAATAAGGTGGTTCCGGCGGGATGGAAATTTGGAC  
AGACTTTCACCGGAAATCAGTTCTGA