

IDENTIFICATION

Species: *Linum usitatissimum*

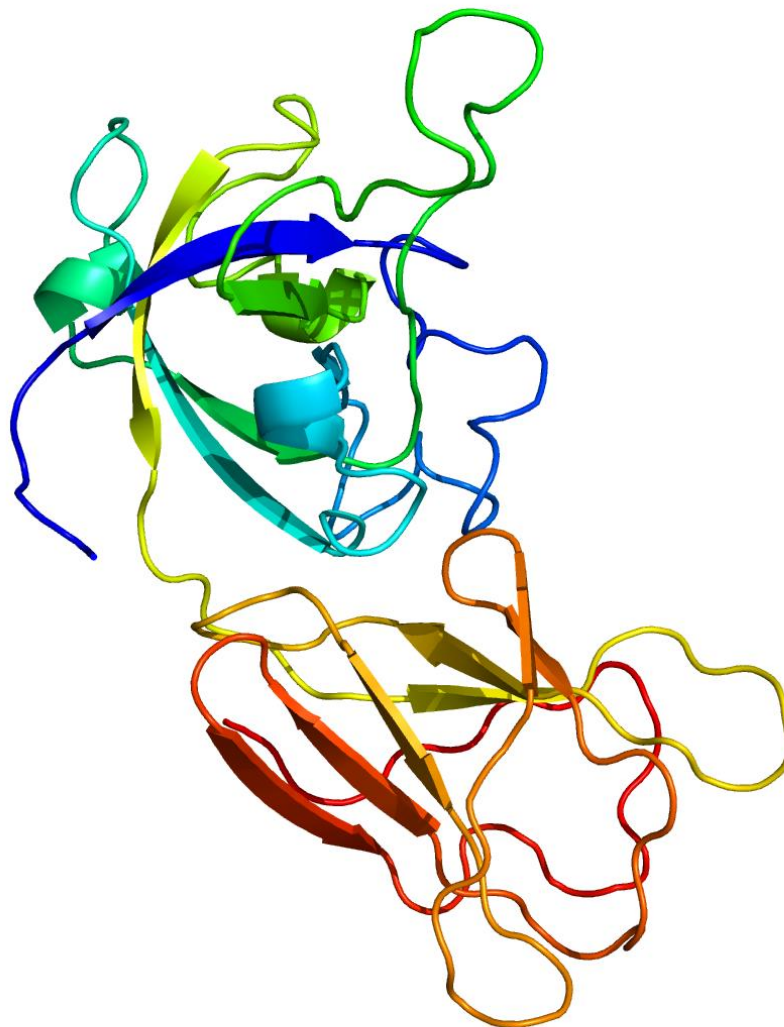
Locus: Lus10023407

Gene Model: Lus10023407

Description: LusEXPA-36

Family: Alpha Expansin

3D structure:



GENOME DATABASES

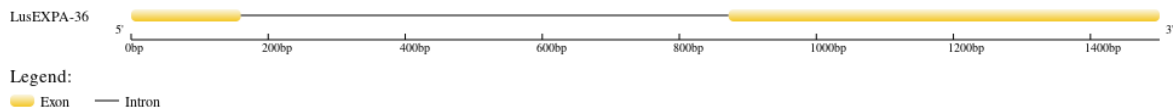
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

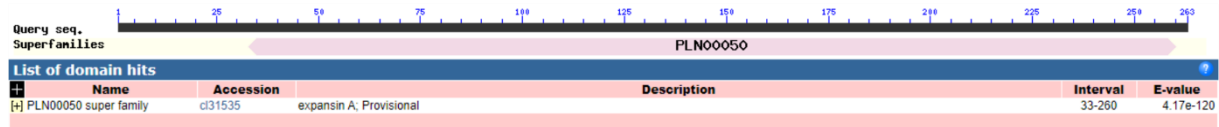
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-36

MRTSALCALSFALLFLSAEITIVESRIPGNYMGGAWQSAHATFYGGSDASGTMEGAC
GYGNLYSQGYGVNTAALSTALFNNGLSGACFEIKCANDPQWCHSGSPSILITATNFC
PPNFAQPSDNGGWCNPPRPHFDLAMPMLKIAEYRAGIVPVSFRRVACRKQGGIRFTI
NGFKYFNLVLVTNVAGAGDVVKVWVKGSKTGWMSMSRNWQNWQNSILAGQSL
SFRVSSSDHRTSTSWNVVPAGWQFGQFTTGKNFRV*

CDS (coding sequence)

>LusEXPA-36

ATGAGGACTTCAGCTCTGTGTGCTCTGTCTTTTGCTCTGCTTTTCCTCTCTGCAGAA
ATCACCATTGTCTGAATCCAGAATCCCTGGAAATTACATGGGCGGCGCGTGGCAAT
CCGCCACGCCACTTTCTACGGCGGCTCCGACGCTTCAGGCACAATGGAGGGAGC
GTGTGGGTACGGAAACCTATACAGCCAGGGCTACGGAGTAAACACCGCGGCACT
AAGCACAGCCCTATTCAACAACGGTCTAAGTTGCGGTGCATGCTTCGAAATCAAA
TGCGCAAACGACCCGCAGTGGTGCCATTCGGGCAGCCCCTCGATACTCATCACAG
CCACAACTTCTGCCCGCCCAATTTTGCCCAACCCAGTGACAATGGCGGGTGGTG
CAACCCTCCCCGCCCCCATTTGACCTCGCAATGCCGATGTTTCTCAAGATTGCAG
AGTACAGGGCTGGGATCGTGCCAGTTTCATTCCGGAGGGTTGCGTGCAGGAAGCA
AGGAGGGATCAGGTTACGATCAACGGGTTCAAGTACTTCAATTTGGTACTTGTG
ACTAACGTGGCCGGAGCAGGGGATGTTGTGAAGGTTTGGGTGAAAGGGAGTAAG
ACAGGTTGGATGAGTATGAGTAGGAATTGGGGTCAGAATTGGCAGTCGAATTCG
ATTTTGGCTGGACAGTCTTTGTCGTTTCGGGTTAGTTTCGAGTGATCACCGGACTTC
TACTTCTTGGAATGTTGTTCCCTGCTGGGTGGCAGTTTGGTCAGACTTTTACCGGCA
AGAATTCAGGGTCTAG

Nucleotide

>LusEXPA-36

ATGAGGACTTCAGCTCTGTGTGCTCTGTCTTTTGCTCTGCTTTTCCTCTCTGCAGAA
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CCGCCACGCCACTTTCTACGGCGGCTCCGACGCTTCAGGCACAATGGGTAATC
CCCAAAAGACCCCTTCTCCCCGTACTCTGTTTTTTCGTAACACACACTGTTTCAA

ACTTCCACAAATTCAATGAAAAATGACTAGCAGGAGTAAAGTGGAATTTTACTAT
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TAACTATTTTGATAAATCAAATTCAAAAGTTAATTTGAACTTCGTTCAATAAAATA
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TAAAATAGTTACATAATTAATGTATCACTAACTTTTTTATGAGCATAATCTTCAAT
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CTAGCTGGCTAACTTTTTGAGTCAAGTTCAGCTTATTTAAAATCAAATTGACTCAA
CGATTTTTTTTACCAAAAAATACACTAACTACTAAACAAGCGGCCTCGTCGGTCA
ACGTAACCCTGACATTTCTCAGTTTTTTTTGTTCTAAAGAGGGGAGCGTGTGGGTACG
GAAACCTATACAGCCAGGGCTACGGAGTAAACACCGCGGCACTAAGCACAGCCC
TATTCAACAACGGTCTAAGTTGCGGTGCATGCTTCGAAATCAAATGCGCAAACGA
CCCGCAGTGGTGCCATTTCGGGCAGCCCCTCGATACTCATCACAGCCACAACTTC
TGCCCGCCCAATTTTGCCCAACCCAGTGACAATGGCGGGTGGTGCAACCCTCCCC
GCCCCATTTTCGACCTCGCAATGCCGATGTTTCTCAAGATTGCAGAGTACAGGGC
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CAGGTTACGATCAACGGGTTCAAGTACTTCAATTTGGTACTTGTGACTAACGTG
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GACAGTCTTTGTCGTTTCGGGTTAGTTCGAGTGATCACCGGACTTCTACTTCTTGG
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GGTCTAG