

IDENTIFICATION

Species: *Linum usitatissimum*

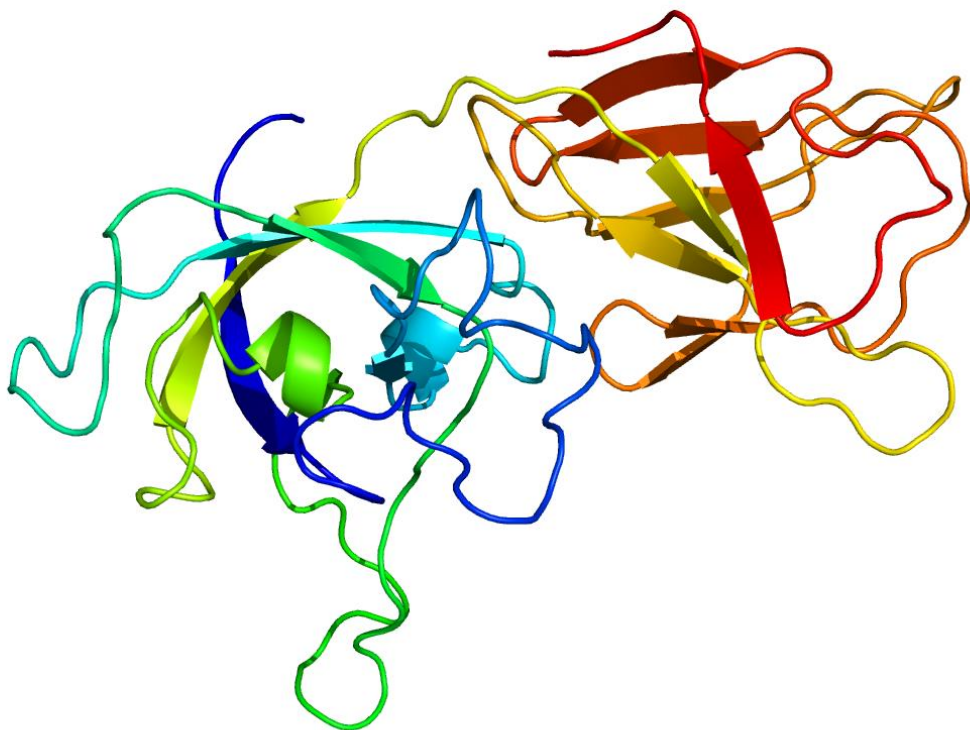
Locus: Lus10007205

Gene Model: Lus10007205

Description: LusEXPA-32

Family: Alpha Expansin

3D structure:



GENOME DATABASES

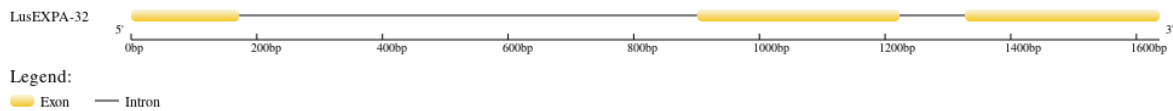
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

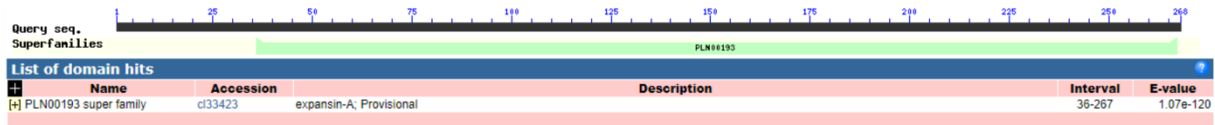
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-32

MVSTRAFKITSSNTAILPLVPLLLLLTIWITGSFQTASAAWLRAHATFYGGSDAFDTMG
GACGYGNLYTDGYGVKTAALSTALFNDGKSCGGCYQIVCDGTVKVPQWCRRGTSITI
TATNLCPPNYNLPNDNGGWCNPPRPHFDMSQPAFLAIAQYKAGIVPVLRYRRCRRS
GGMRFTMNGRDYFELVMISNVGGVGEISR VWIKGSR TNKWESMSRNWGSNWQSLT
FFRGQSLSFRIQSGNGGIRTALNIVPSNWRFGQSFKSRLQF*

CDS (coding sequence)

>LusEXPA-32

ATGGTGTCTACTAGGGCTTTCAAGATCACGAGCAGCAATACAGCAATATTGCCTC
TAGTACCATTGCTGCTGCTGACCATTTGGATAACTGGTAGCTTCCAAACAGCCTC
AGCAGCTTGGCTCCGAGCCCATGCAACCTTCTACGGTGAAGCGACGCTTTCGAC
ACTATGGGAGGAGCTTGCGGGTATGGAAATCTATACACGGACGGGTACGGAGTG
AAGACAGCAGCGCTAAGCACGGCGCTATTCAACGATGGCAAGTCATGCGGCGGC
TGCTACCAGATTGTTTGTGACGGCACCAAGGTGCCACAATGGTGCAGAAGGGGA
ACTTCCATCACAATCACGGCTACAACTTGTGCCACCAAACACTACAATCTTCCA
ACGACAATGGAGGATGGTGCAATCCTCCCCGCCCGCATTTCGACATGTCCCAACC
CGCATTTCTCGCCATTGCTCAGTATAAGGCCGGCATCGTCCCCGTTCTCTACCGTA
GGGTGAGGTGCAGGAGAAGTGGAGGGATGAGGTTTACAATGAACGGGAGGGATT
ATTTGAGTTGGTGTATGATATCGAACGTGGGAGGAGTCGGAGAGATATCGAGGG
TTTGATCAAAGGCTCGAGAACAAATAAGTGGGAGTCGATGTCGAGGAATTGGG
GTTCCAACCTGGCAGAGTCTAACTTTCTTCAGAGGGCAGTCTTTATCTTTCAGAATT
CAATCTGGAAACGGTGGGATCCGTA CTGCTCTCAATATTGTCCCTTCCAATTGGC
GCTTTGGACAGTCTTTCAAATCCAGACTTCAATTTTAA

Nucleotide

>LusEXPA-32

ATGGTGTCTACTAGGGCTTTCAAGATCACGAGCAGCAATACAGCAATATTGCCTC
TAGTACCATTGCTGCTGCTGACCATTTGGATAACTGGTAGCTTCCAAACAGCCTC
AGCAGCTTGGCTCCGAGCCCATGCAACCTTCTACGGTGAAGCGACGCTTTCGAC
ACTATGGGTATGTACACATCTATATTAATTTTCATGTTATATGCCTAATTTTATA
CCACATCGTTAAATATGAGATTGGTGTATGAGCTTACAACCAGTGGCAGAGATAA

TAGCTACAAATAGGGTGCCTAGACTCTACTTGGAGTACAACCTTATTTAAATATCA
CATGCATAATTTTACGATTATGTGCGCTAAATAGGTTGTAGCGCCTGACTTTTGTGT
CCTAGAGATACTGGGTTTCGAAAATAAAATGCGCACTCATATTGAGATTTATGGA
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CAGCCGATTATTTAACAATCAACTAACTAATAAATGTATTGTGCAACCCTTTTCGA
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ACTACTGTTTAACTTTATGGGCACCTTTTCATCACAAAATAATTTTTGGAATGA
GCTCTATTTAAGGAATGTAACGTTTTATACTACGTATTCAACATTGGACACTTTT
TGGTTCTCCTAATATATAGTTACCAGTCGACTAACGAGGTAGGTACCTTTCGACTT
TTCGGGTTTCAGGAGGAGCTTGCGGGTATGGAAATCTATACACGGACGGGTACGG
AGTGAAGACAGCAGCGCTAAGCACGGCGCTATTCAACGATGGCAAGTCATGCGG
CGGCTGCTACCAGATTGTTTGTGACGGCACCAAGGTGCCACAATGGTGCAGAAGG
GGA ACTTCCATCACAATCACGGCTACAACTTGTGCCACCAAACTACAATCTTC
CCAACGACAATGGAGGATGGTGCAATCCTCCCCGCCCGCATTTCGACATGTCCCA
ACCCGCATTTCTCGCCATTGCTCAGTATAAGGCCGGCATCGTCCCCGTTCTCTACC
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ATAGTATTTTTTTTACAAAATGGTCACTCTTTTTCTTTATTTGTTTGTTTAAGGGTG
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TGGAACGGTGGGATCCGTA CTGCTCTCAATATTGTCCCTTCCAATTGGCGCTTTG
GACAGTCTTTCAAATCCAGACTTCAATTTTAA