

IDENTIFICATION

Species: *Ricinus communis*

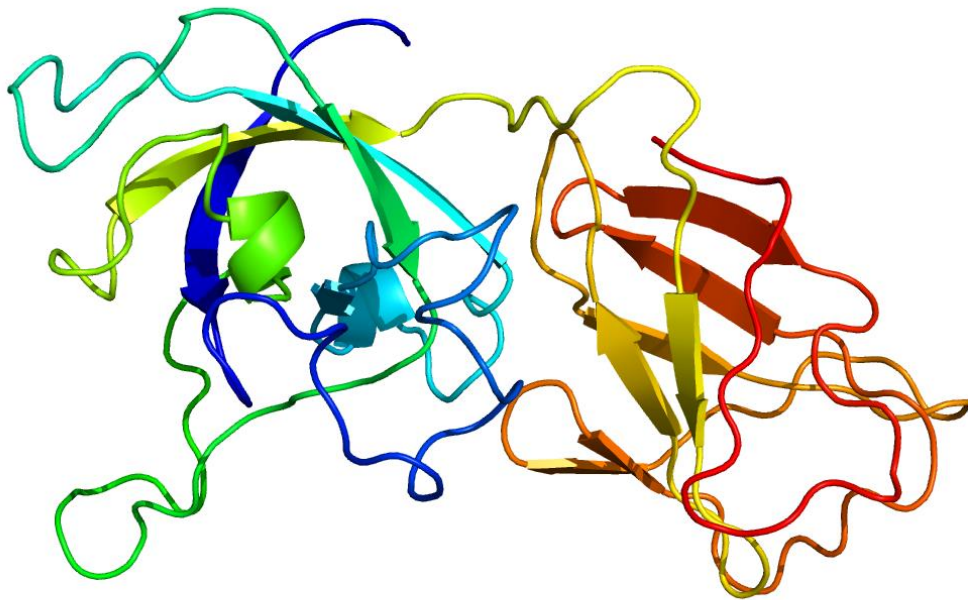
Locus: 30076.m004515

Gene Model: 30076.m004515

Description: RcEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Rcommunis_v0_1

KEGG: <https://www.genome.jp/entry/T01087>

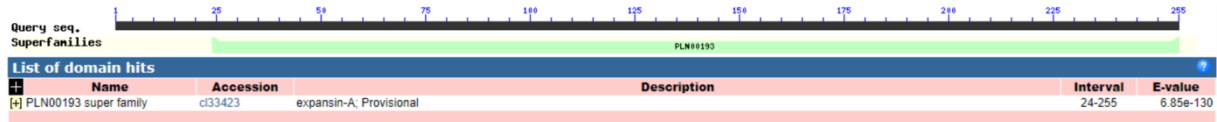
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>RcEXPA-11

MATPCVFSSFILLLGLLFAKPYVASAAWLRAHATFYGGGDASGTMGGACGYGNLYT
DGYGTKTAALSTALFNDGKSCGGCYQIICDATKVPQWCLRGTSITITATNFCPPNYNL
PNDNGGWCNPPRPHFDMSQPAFQTI AKYRAGIVPVIYRKVRCKRSGGIRFTINGKNYF
ELVLISNVGGAGEISKVWIKGSKSNKWESMSRNWGANWQSLRYLNGQSLSRVQAS
DGRTLTA PNVA PSNWVFGQSFKSNLQF

CDS (coding sequence)

>RcEXPA-11

ATGGCGACTCCTTGCGTCTTTAGCAGCTTCATACTTTTGTTAGGGCTGCTTTTTGC
AAAACCATACGTAGCATCAGCGGCCTGGCTACGAGCCCATGCAACTTTCTACGGT
GGAGGTGACGCTTCTGGTACAATGGGTGGTGCCTGTGGATATGGTAATCTTTATA
CCGATGGTTATGGAACCAAACTGCTGCACTGAGCACTGCTTTGTTCAATGATGG
AAAGTCATGTGGTGGTTGCTATCAAATTATCTGCGATGCCACTAAAGTCCCTCAA
TGGTGCCTTAGGGGA ACTTCTATTACTATTACTGCTACGAATTTCTGTCCACCAAA
TTATAATCTTCCTAATGATAATGGAGGATGGTGCAACCCCCACGACCTCACTTT
GACATGTCTCAACCCGCCTTTCAGACTATTGCCAAGTACAGGGCCGGAATCGTAC
CTGTCAATTTATAGGAAAGTGAGATGCAAGAGAAGTGGGGGCATAAGATTTACCA
TCAATGGCAAGA ACTATTTT GAGCTAGTGCTTATATCAAATGTAGGAGGAGCTGG
AGAGATTTCCAAGGTTTGGATCAAAGGGTCAAATCCAATAAATGGGAATCCAT
GTCACGGAATTGGGGTGCCAATTGGCAAAGCTTAAGATATCTCAATGGCCAGAGC
TTGTCTTTTAGAGTCCAAGCTAGCGATGGGAGGACCCTGACAGCTCCTAATGTTG
CACCTCCAATTGGGTTTTCGGCCAATCTTTCAAAGCAACCTCCAATTTTAG

Nucleotide

>RcEXPA-11

ATGGCGACTCCTTGCGTCTTTAGCAGCTTCATACTTTTGTTAGGGCTGCTTTTTGC
AAAACCATACGTAGCATCAGCGGCCTGGCTACGAGCCCATGCAACTTTCTACGGT
GGAGGTGACGCTTCTGGTACAATGGGTAGTGTCCATTTTAAATTCATGTTTCTA
CATATTGCTCAATTTCTCCATCCATGAATTAGCTAGCTAAATCTTGTTCAACTGTCC
TTAATATGTATGTAGGTGGTGCCTGTGGATATGGTAATCTTTATAACCGATGGTTAT
GGAACCAAACTGCTGCACTGAGCACTGCTTTGTTCAATGATGGAAAGTCATGTG
GTGGTTGCTATCAAATTATCTGCGATGCCACTAAAGTCCCTCAATGGTGCCTTAG
GGGA ACTTCTATTACTATTACTGCTACGAATTTCTGTCCACCA AATTATAATCTTC

CTAATGATAATGGAGGATGGTGCAACCCCCACGACCTCACTTTGACATGTCTCA
ACCCGCCTTTCAGACTATTGCCAAGTACAGGGCCGGAATCGTACCTGTCATTTAT
AGGAAGTATGTTCTCAATCCTCTTTAATAACTCAAATTTCTTTCATATGTAAATCA
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TTTCTTTAGAGTGACACTCGAAGATTTCCAAAACCTAAACTTGAAATATCCTGAC
AGAGATCATAAGGTTTCATGATCCTTAAGACAGATGATATTAGTTATTGATAACCA
AATTGTTTTCTTTTTGGTGACTCAGAGTGAGATGCAAGAGAAGTGGGGGCATAAG
ATTTACCATCAATGGCAAGAACTATTTTGAGCTAGTGCTTATATCAAATGTAGGA
GGAGCTGGAGAGATTTCCAAGGTTTGGATCAAAGGGTCAAATCCAATAAATGG
GAATCCATGTCACGAATTGGGGTGCCAATTGGCAAAGCTTAAGATATCTCAATG
GCCAGAGCTTGTCTTTTAGAGTCCAAGCTAGCGATGGGAGGACCCTGACAGCTCC
TAATGTTGCACCTTCCAATTGGGTTTTCGGCCAATCTTTCAAAGCAACCTCCAAT
TTTAG