

IDENTIFICATION

Species: *Ricinus communis*

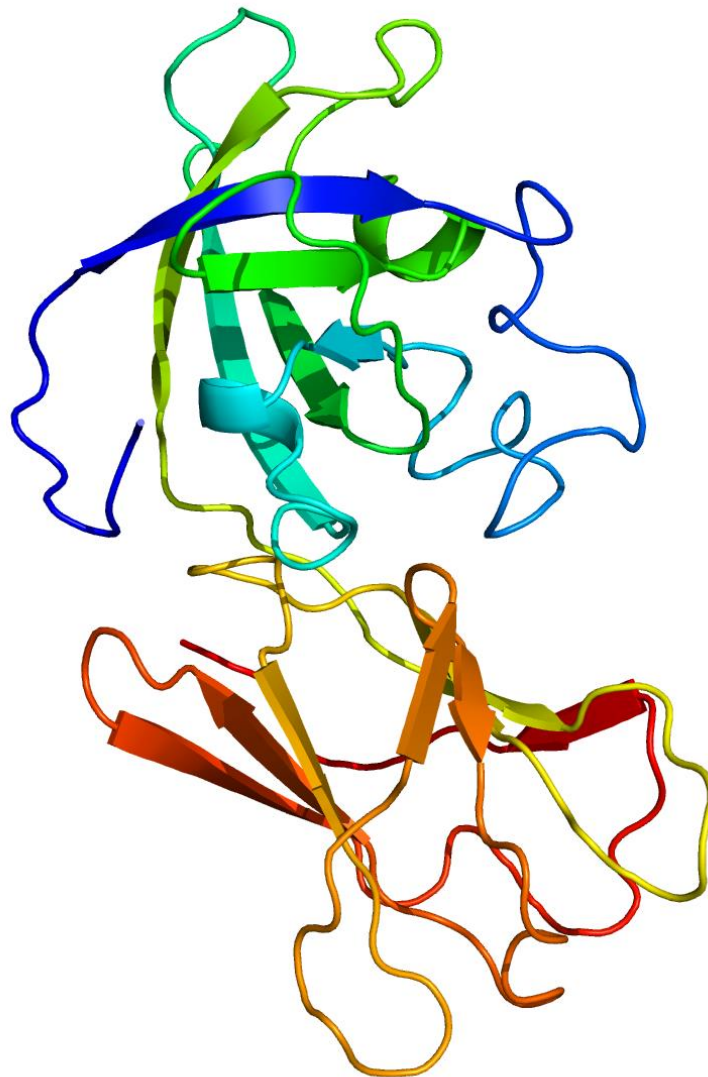
Locus: 30190.m011094

Gene Model: 30190.m011094

Description: RcEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

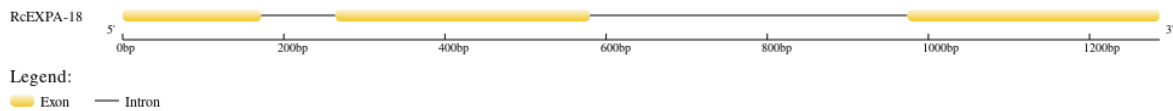
Phytozome: https://phytozome-next.jgi.doe.gov/info/Rcommunis_v0_1

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

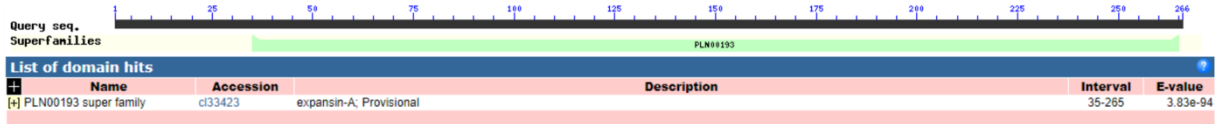
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>RcEXPA-18

MAKFFHSWSLSFFLVASISALIGTSMAVGYGTPVFRPSQWGLAHATFYGDETASATM
GGACGYGNLFQNGYGTDTAALSTALFNDGYACGTCYQIKCVQSPWCFNDVPFTT
ATNICPPNWSQDSNDGGWCNPPRVHFDMSKPAFMKIAQWKAGIVPVMYRRVPCVRS
DGLRFSFQNGYWLLVYVMNVGGGGDIANMWVKGSKTGWISMHNWGASYQAFAT
TLEGQALSFKLTSYTTKETVLALNVAPENWNVGMTYKTNVNFH

CDS (coding sequence)

>RcEXPA-18

ATGGCCAAATTTTTCCATTCATGGAGCCTTAGCTTCTTCCTAGTAGCATCAATATC
AGCATTGATTGGCACATCCATGGCTGTAGGTTATGGTACCCCTGTTTTCCGGCCAA
GCCAATGGGGCCTTGCTCATGCCACTTTTTATGGGGACGAGACGGCCTCAGCAAC
GATGGGAGGGGCATGTGGATATGGGAATTTGTTTCAAATGGTTATGGAACAGAT
ACAGCTGCACTGAGCACAGCATTATTCAATGACGGATATGCTTGTGGAAC TTGTT
ACCAAATCAAGTGTGTGCAATCACCTGGTGCTTCAACGATGTACCGTTTACCAC
GGTGACTGCTACTAACATTTGCCACCAAATTGGAGTCAGGACTCTAACGATGGT
GGTTGGTGTAACCTCCTCGAGTCCACTTTGACATGTCCAAGCCTGCTTTCATGAA
AATTGCCAATGGAAGGCTGGCATTGTTCTGTTATGTACCGCAGGGTTCATGC
GTAAGAAGTGATGGACTTAGATTCTCATTCCAAGGAAATGGATACTGGTTGTTGG
TGTATGTGATGAACGTAGGAGGAGGCGGAGACATCGCCAACATGTGGGTGAAAG
GAAGCAAAACAGGATGGATAAGCATGAGCCATAACTGGGGAGCTTCGTACCAGG
CGTTTGCTACCCTTGAAGGCCAAGCTTTATCTTCAAGCTCACCTCATAACAACC
AAGGAAACTGTTTTAGCACTGAATGTTGCTCCTGAAAATTGGAACGTAGGGATGA
CTTATAAGACAAATGTCAACTTCCATTGA

Nucleotide

>RcEXPA-18

ATGGCCAAATTTTTCCATTCATGGAGCCTTAGCTTCTTCCTAGTAGCATCAATATC
AGCATTGATTGGCACATCCATGGCTGTAGGTTATGGTACCCCTGTTTTCCGGCCAA
GCCAATGGGGCCTTGCTCATGCCACTTTTTATGGGGACGAGACGGCCTCAGCAAC
GATGGGTAAAGTTATTAAGCTAATAATTCGGTGATGGAATATAAATAAAGAAAA
AATTTATATTAGTTCTTATTTGGTGAATTAATTTTCGATGACAGGAGGGGCATGTGG
ATATGGGAATTTGTTTCAAATGGTTATGGAACAGATACAGCTGCACTGAGCACA
GCATTATTCAATGACGGATATGCTTGTGGAAC TTGTTACCAAATCAAGTGTGTGC

AATCACCTGGTGCTTCAACGATGTACCGTTTACCACGGTGACTGCTACTAACATT
TGCCACCAAATTGGAGTCAGGACTCTAACGATGGTGGTTGGTGTAACCTCCTC
GAGTCCACTTTGACATGTCCAAGCCTGCTTTCATGAAAATTGCCCAATGGAAGGC
TGGCATTGTTCTGTATGTACCGCAGGTGTGTGTGCGTGTTTTTCAATATGTTCA
CCAAGGTTTTCTCTTTTTTATACTTTTCGGTGAAAATGAATTTTCTCGTAATTAC
AAGTCAAACACATGTGGGCCAAATAAATATACCAAAGTGTTTGACCAAAGTTCTT
TTTGGTGCTAAACGCGTCTGGATAGAAGCATGATGAAAGCAGAGATTCTTGCTAA
AGCGTCTTTGGAAGTAATTTACCCAAAAGAATTCCTAGCAGTGTTTAAGATGGTC
AAATTGTTTAAGAAAAAATACTCTTAAGATTTTAAAGAAAATCCCA
CTTCAGTTGCTTTGATATTGATTGATTAAGTATTTGTCACGCAGTATAATAATTTG
CTGTCGATGTATAATGGCTGTTCAATTTGCAGGGTTCCATGCGTAAGAAGTGATG
GACTTAGATTCTCATTCCAAGGAAATGGATACTGGTTGTTGGTGTATGTGATGAA
CGTAGGAGGAGGCGGAGACATCGCCAACATGTGGGTGAAAGGAAGCAAACAG
GATGGATAAGCATGAGCCATAACTGGGGAGCTTCGTACCAGGCGTTTGCTACCCT
TGAAGGCCAAGCTTTATCTTTCAAGCTCACCTCATAACAACCAAGGAACTGTT
TTAGCACTGAATGTTGCTCCTGAAAATTGGAACGTAGGGATGACTTATAAGACAA
ATGTCAACTTCCATTGA