

IDENTIFICATION

Species: *Ricinus communis*

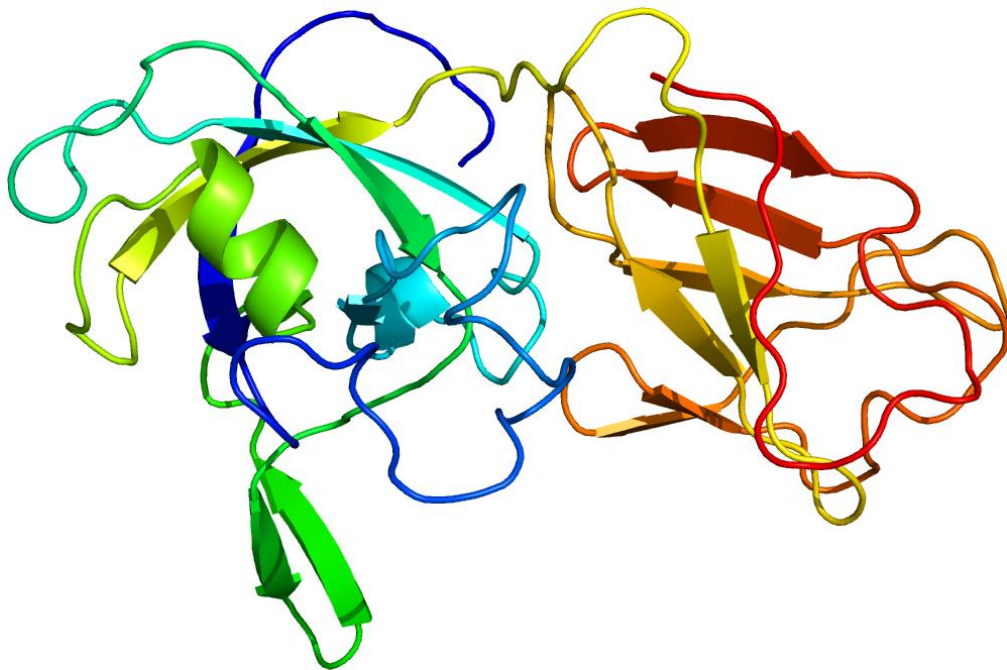
Locus: 29044.m000170

Gene Model: 29044.m000170

Description: RcEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

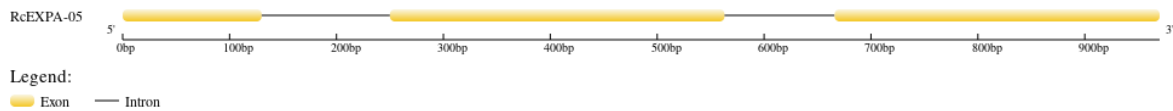
Phytozome: https://phytozome-next.jgi.doe.gov/info/Rcommunis_v0_1

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

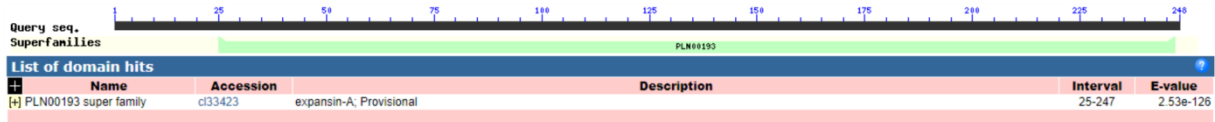
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>RcEXPA-05

MQICLSLLLLVFSFCSHGTYGDNRGWQAAHATFYGGSDASGTMGGACGYGNLYSQ
GYGTNTAALSTALFNNGYSCGACFQIRCNSDPQWCLSRITITVTATNFCPPNFALAND
NGGWCNPPLQHFDLAEP AFLQIAQYRAGIVPVLFRRVPCVKKGGMRFTINGHSYFNL
VLISNVAGAGDIGAVA IKGARTGWQ TMSRNWGWQNWQSN SYLNGQSL SFRVTTSDGR
TITSFNVAPANWQFGQTFEGGQF

CDS (coding sequence)

>RcEXPA-05

ATGCAAATCTGCCTGTCTCTGCTCCTACTTGTGTTTAGCTTTTGCTCTCATGGA
TATGGAGACAACCGGGGCTGGCAGGCAGCCCATGCTACGTTCTACGGCGGCAGT
GATGCTTCTGGAACAATGGGGGAGCTTGTGGTTATGGAACTTATACAGCCAAG
GATATGGAAC TAACACTGCAGCTTTAAGCACTGCCCTTTTCAACAATGGTTACAG
TTGTGGTGCCTGCTTTCAAATACGTTGCAACAGTGACCCTCAGTGGTGCCTCTCTC
GTACCATCACTGTTACAGCTACTA ACTTCTGTCTCCTAATTTTGCAGTGGCTAAT
GACAATGGTGGCTGGTGC AATCCGCCACTTCAGCATTTTGATTTAGCAGAGCCTG
CTTTCTTGCAAATCGCTCAATATCGAGCTGGAATTGTTCCCTGTCCTCTTCAGAAGG
GTGCCGTGTGTGAAGAAAGGGGATGAGGTTACCATCAATGGTCATTCTTATT
TCAACCTGGTGTGATAAGCAACGTGGCTGGTGCAGGGGATATCGGGGCAGTGG
CCATCAAAGGGGCAAGAACAGGGTGGCAAACCATGTCAAGAACTGGGGGCAG
AATTGGCAGAGCAACTCGTACCTCAATGGCCAAAGCCTCTCTTTCAGAGTTACCA
CCAGTGATGGCAGGACTATAACCAGCTTCAATGTTGCGCCAGCAAATTGGCAATT
TGGACAACTTTTGAAGGTGGCCAATTTAG

Nucleotide

>RcEXPA-05

ATGCAAATCTGCCTGTCTCTGCTCCTACTTGTGTTTAGCTTTTGCTCTCATGGA
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GCTATCCTCGCGGTCCTGGAAATTATTCTAATAACACTGACCTTTGTATTATTTAA
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CTGGCTAATGACAATGGTGGCTGGTGGCAATCCGCCACTTCAGCATTGATTTAG
CAGAGCCTGCTTTCTTGCAAATCGCTCAATATCGAGCTGGAATTGTTCTGTCTC
TTCAGAAGGTAATTCATTTTCAGGTTGAATTTTCATCATCTTACATATAAAGGGTGC
ACGTTTCATTTTGCTTGGAATTGAGATAACTAAATTCTTTGCGTTGTCTTGGCAGG
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TCAACCTGGTGTTGATAAGCAACGTGGCTGGTGCAGGGGATATCGGGGCAGTGG
CCATCAAAGGGGCAAGAACAGGGTGGCAAACCATGTCAAGAAACTGGGGGCAG
AATTGGCAGAGCAACTCGTACCTCAATGGCCAAAGCCTCTCTTTCAGAGTTACCA
CCAGTGATGGCAGGACTATAACCAGCTTCAATGTTGCGCCAGCAAATTGGCAATT
TGGACAACTTTTGAAGGTGGCCAATTTAG