

## IDENTIFICATION

**Species:** *Ricinus communis*

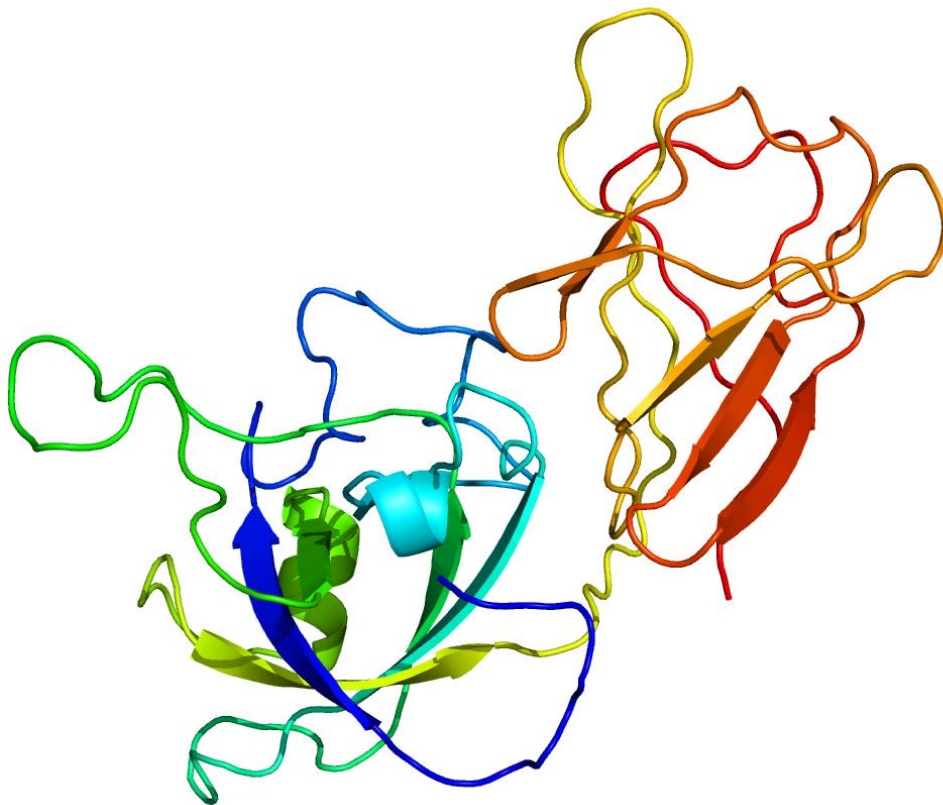
**Locus:** 30138.m004059

**Gene Model:** 30138.m004059

**Description:** RcEXPA-14

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

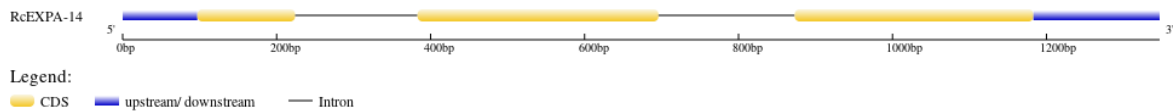
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Rcommunis\\_v0\\_1](https://phytozome-next.jgi.doe.gov/info/Rcommunis_v0_1)

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

## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE

Query seq. Superfamilies

PLN00050

Name	Accession	Description	Interval	E-value
PLN00050 super family	cl31535	expansin A; Provisional	1-247	3.54e-146

## SEQUENCES

### Peptide

>RcEXPA-14

MALAHPLLGFLSLVPFVYGYDGGWTNAHATFYGGGDASGTMGGACGYGNLYSQG  
YGTNTAALSTALFNGLSCGACFEIKCTDDPKWCLPGSIVVTATNFCPPNNALPNN  
GGWCNPPQHFDLAQPVFQRIAQYRSIVPVVYRRVPCQKRGGIRFTINGHSYFNLV  
LITNVGGAGDVQAVSIKGSRSWQPMsrNWGQNWQSNsYLDGQSLsFKVTTSDGKT  
VVSNNVVPAGWSFGQTFTGQQFTT

### CDS (coding sequence)

>RcEXPA-14

ATGGCACTTGCTCATCTTCCCTTACTGGGATTTCTTTCTTTAGTCCCATTTGTTTAT  
GGGTACGATGGTGGTTGGACTAATGCTCATGCTACCTTTTATGGAGGTGGTGATG  
CCTCTGGTACAATGGGTGGGGCTTGTGGATATGGAACTTATACAGCCAAGGATA  
CGGGACTAACACTGCAGCTTTGAGCACAGCCCTGTTCAACAATGGCCTAAGCTGT  
GGAGCTTGTGTTTGAATAAAATGTACTGATGACCCAAAATGGTGCCTCCCTGGCT  
CTATTGTGGTGACAGCCACAAATTTCTGCCCGCCCAACAATGCCCTCCCTAACAA  
TGCTGGGGGCTGGTGCAACCCTCCACAGCATCATTTTGATCTCGCTCAGCCTGTTT  
TTCAACGAATTGCTCAGTATCGATCAGGGATAGTCCCTGTCGTTTACAGAAGGGT  
ACCATGCCAGAAGAGAGGAGGTATCAGATTCAGATCAATGGCCACTCATACTTC  
AACTTAGTCTTGATAACAAATGTTGGAGGTGCTGGTGATGTTTCAGGCAGTTTCAA  
TAAAAGGATCAAGAAGTGATTGGCAACCCATGTCAAGAAATTGGGGTCAGA  
GGCAAAGCAACTCATATCTCGACGGACAAAGCCTCTCATTTAAGGTCACAACAAG  
TGATGGGAAACTGTTGTGTCTAACAAATGTTGTACCTGCTGGATGGTCCTTTGGCC  
AGACTTTCCTACTGGCCAACAGTTCCTACTACTTAA

### Nucleotide

>RcEXPA-14

TACCAAATTCTCCTATTACACCACTATAATACCAGATTTAACTATACTAGTGTTTG  
AGCTTGTTACCTATTATTTAATTGTTGTTTTTTCCCGGAAAATGGCACTTGCTCATC  
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TATGTAAAACAGAAACAAACCCATTGCTCTCCTTTTGTGTTTAAATGGGCTGTGGTT  
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CTTCTTCTTCTTCTTTTATTTTCCGAATAAAAGATTTGTATTTTTTACCACATCCGGA  
CCGGGCACGGGCAAGG