

IDENTIFICATION

Species: *Cicer arietinum*

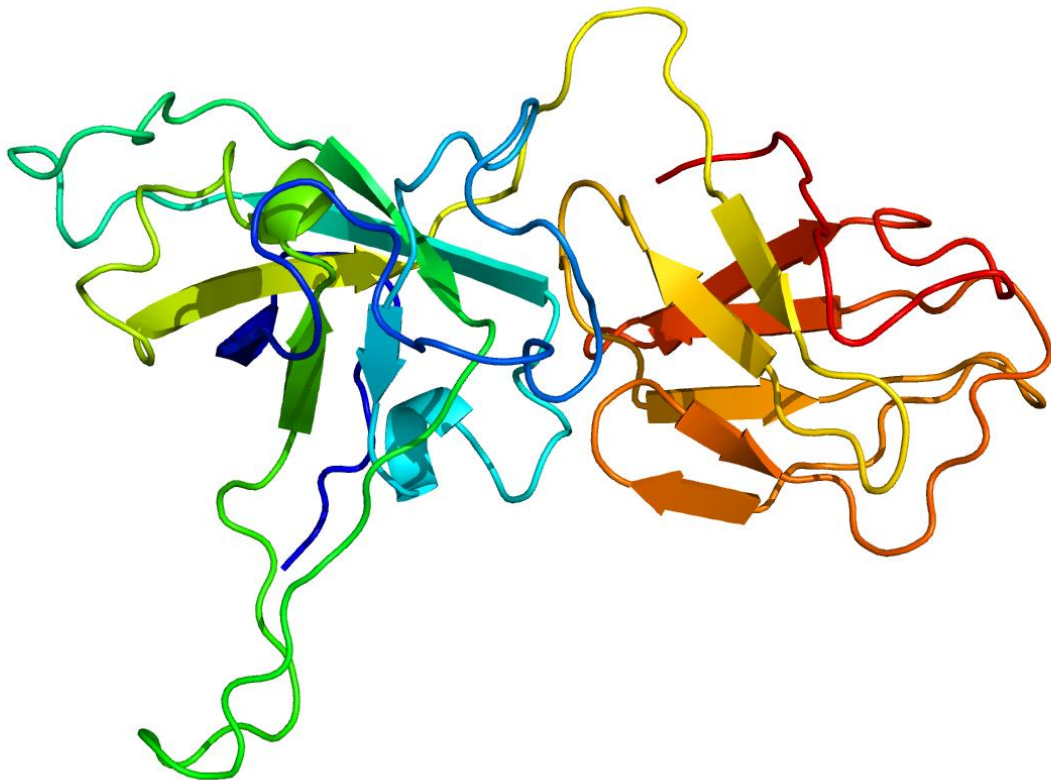
Locus: Ca_16103

Gene Model: Ca_16103

Description: CarEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Carietinum_v1_0

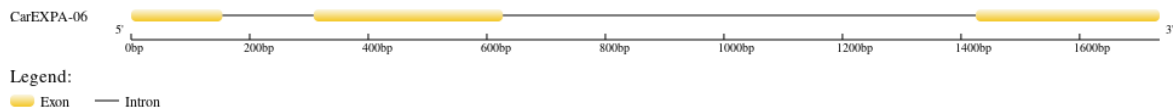
KEGG: <https://www.genome.jp/entry/T02819>

EXTERNAL RESOURCES

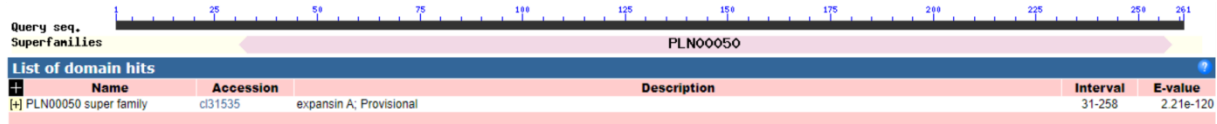
https://www.pulsedb.org/bio_data/80

<http://www.cicer.info/databases.php>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CarEXPA-06

MAKFNNIITIVTTLTLLLTTEARIPGVYTGGAWQTAHATFYGGSDASGTMGGACGY
GNLYSQGYGVNTAALSTALFNEGLSCGACFEIKCSDDPNWCHAGSPSILVTATNFCPP
NYAQPSDNGGWCNPPRPHFDLAMPMFLKIAQYRAGIVPVS YRRVPCRKQGGIRFTIN
GFRYFNLVLITNVAGAGDIVKTSVKGSKSGWMSMSRNWQNWQSNAILIGQSLFR
VTASDRRTSTSWNIVPSNWQFGQTFTGKNFRV*

CDS (coding sequence)

>CarEXPA-06

ATGGCTAAGTTCAATAACATCATAACCATTGTCACCACCTTAACCTTCTTCTCAC
TACAACCGAAGCCAGAATCCCCGGTGTCTACACCGGAGGCGCATGGCAAACCGC
TCACGCCACCTTCTACGGCGGCAGCGACGCTCCGGAACAATGGGAGGCGCGTGT
GGATACGGAAATTTGTATAGTCAAGGGTATGGAGTGAACACAGCGGCATTGAGC
ACAGCGTTGTTTAACGAAGGGTTAAGTTGTGGCGCGTGTGTTTGGATCAAGTGTT
CTGATGATCCTAATTGGTGCCACGCTGGCAGTCCTTCTATTTGGTAACAGCTACA
AATTTTGTCCACCAAATTATGCTCAACCAAGTGATAATGGTGGATGGTGTAAATC
CTCCAAGACCACATTTTGATCTTGCTATGCCTATGTTTCTTAAAATTGCTCAGTAT
CGTGCTGGCATTGTTCTGTTTCTTACCGCCGGGTACCTTGTAGAAAGCAAGGAG
GTATAAGATTCACAATAAACGGTTTCCGTTACTTCAACTTGGTTTTAATCACCAAC
GTCGCGGGTGCAGGGGATATCGTGAAGACGAGCGTTAAAGGTTCAAAGAGTGGT
TGGATGAGCATGAGCCGTAACCTGGGGTCAAAATTGGCAATCAAACGCTATTTTGA
TTGGTCAGTCACTTTCGTTTAGAGTGACAGCCAGTGATCGACGCACTTCCACTTCT
TGGAACATTGTTCTTCTAATTGGCAATTTGGTCAAACCTTTTACTGGCAAGAATTT
CCGGGTTTAG

Nucleotide

>CarEXPA-06

ATGGCTAAGTTCAATAACATCATAACCATTGTCACCACCTTAACCTTCTTCTCAC
TACAACCGAAGCCAGAATCCCCGGTGTCTACACCGGAGGCGCATGGCAAACCGC
TCACGCCACCTTCTACGGCGGCAGCGACGCTCCGGAACAATGGGTCAGTACAAC
AATAATTAATAACCACCACCCCGTCCACGTCCTAATTCTTTCACAATTCACAAC
AGTCACACATCTATCATGCACAATATGTCCGACCATATTTCTGTTATTTTAAATGAT

AATGTTTTGTTTGTGGTTTGTGGTTATAGGAGGCGCGTGTGGATACGGAAATTT
GTATAGTCAAGGGTATGGAGTGAACACAGCGGCATTGAGCACAGCGTTGTTTAAAC
GAAGGGTTAAGTTGTGGCGCGTGTGGTGGAGATCAAGTGTCTGATGATCCTAATT
GGTGCCACGCTGGCAGTCCTTCTATTTTGGTAACAGCTACAAATTTTGTCCACCA
AATTATGCTCAACCAAGTGATAATGGTGGATGGTGTAAATCCTCCAAGACCACATT
TTGATCTTGCTATGCCTATGTTTCTTAAAATTGCTCAGTATCGTGCTGGCATTGTTT
CTGTTTCTTACCGCCGGTAACTTCTTTTTTCTTTTTCTTTATTTCTATCAAACCTTA
GCTTTATTTTTTTTCGATAGCAAACAGAAAAATTATTTAAAAGCACAATATGTGCC
AAACAAAATTACTTTTATAAAAATAGTGCTTTTTTCTTTTTTACTCTATTTTTTAAGAA
AAAAAATCAAGAACTTAAAAGCAATTTTATCTTTCTTTGCTATTTTTTCTTTTTAC
ATTTTTTTTTTACACACCTCTCGTACATCTAGTTATTTTTCCATATTTACTAAAGTA
TTCTTTTTCAAAAAAATTTAGCAAAAATAAATAGTTAAAAAAAATAATTTTTTTTA
TAGGATAACAATGCAAAACTATTTTACAACATAATCTCAAAAAAATTGGCCAAACG
CGTTTAGCTTTTTACCTTCTCGAGGAGCAATACAGGATGAAAATACGGCGTCGTT
AAGGTGATAACAATGTGCTAAGATTCTGTTACGGTGGGGACTAAAAGTGGTGAT
TCGTGATTCCAAAAAATCCAAAACCCATCAGAACCGTTGATTGGGTGAATATTTT
CGTATACCTGGACCGTTCATCTGAAACCGGTTTCAGGACTTTTGACAAACCAGAAC
AACTTTTTAACGCGTAATAACTCGACTCACTCACGAAACGACCAAATCTAGAATC
TACTTTCATGTCACTCACACTTGTACTGTACTAGTACTACTTTGTTGTTTATAAAC
GCTAGTAGTTATTTTTAATATACCCTTGTTGTTGTGTTAATTACGACGTATGCCA
GCGGTGATAATGATTGTATGGTTCGACGTGCAGGGTACCTTGTAGAAAGCAAGGA
GGTATAAGATTACAATAAACGGTTTCCGTTACTTCAACTTGGTTTTAATCACCAA
CGTCGCGGGTGCAGGGGATATCGTGAAGACGAGCGTTAAAGGTTCAAAGAGTGG
TTGGATGAGCATGAGCCGTAACCTGGGGTCAAATTGGCAATCAAACGCTATTTTG
ATTGGTCAGTCACTTTCGTTTAGAGTGACAGCCAGTGATCGACGCACTTCCACTTC
TTGGAACATTGTTTCTTCTAATTGGCAATTTGGTCAAACCTTTACTGGCAAGAATT
TCCGGGTTTAG