

IDENTIFICATION

Species: *Cicer arietinum*

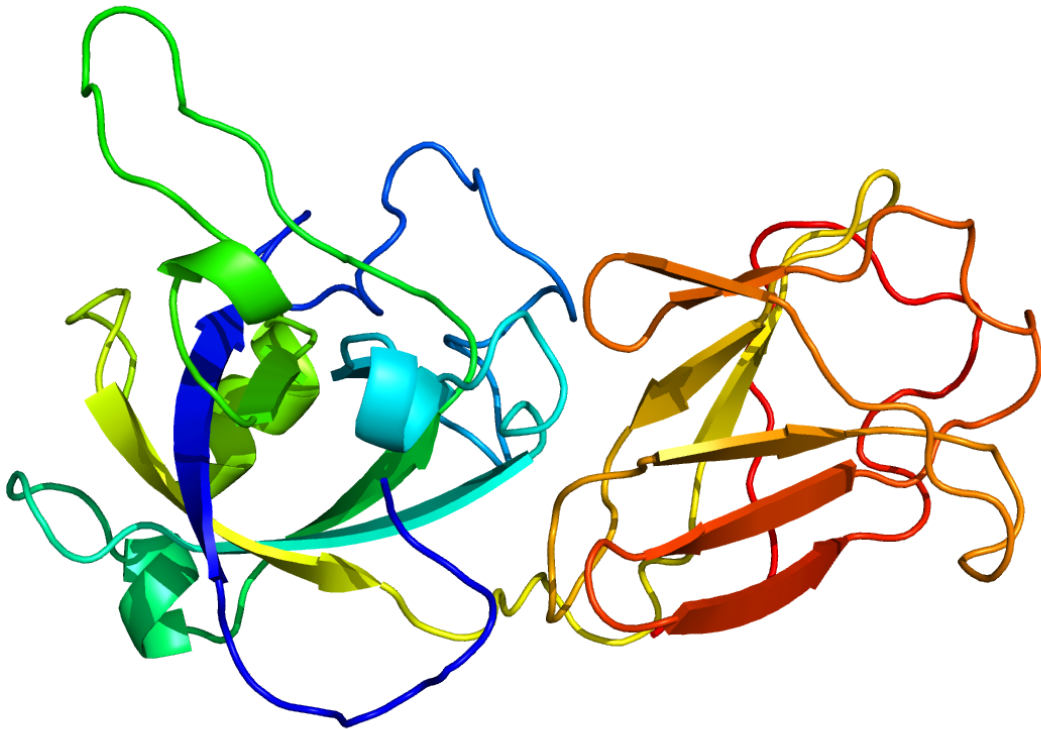
Locus: Ca_23288

Gene Model: Ca_23288

Description: CarEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

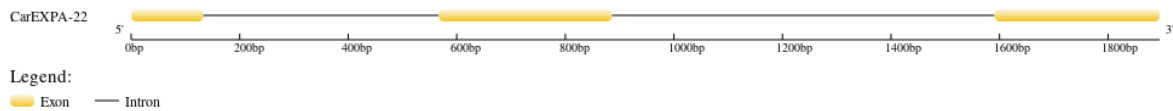
KEGG: <https://www.genome.jp/entry/T02819>

EXTERNAL RESOURCES

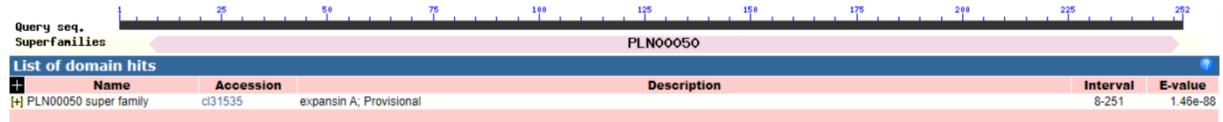
https://www.pulsedb.org/bio_data/80

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CarEXPA-22

MVALLSTFLCLILFHSFNIVAFKDQQWMKATATYAKDTEGSLITEGACGYGDLHKAS
YGKHSVGLSTILFNRGSTCGACFEIRCVDHILWCVLGSPPVIVTATDFCPPNYGLSVDY
GGWCNFPQRHFELSQAFAEIAKKGKADIVPVQYRRVKCERSGGLKFTMSGSSHFYQV
LITNVGLDGEVFAVKVKGSRGTWIPMARNWGMNWHCNVNLQHQPLSFEVTSSTGK
TLTSYNVAPQNWQFGQTFEGKQF*

CDS (coding sequence)

>CarEXPA-22

ATGGTTGCTCTTCTTTCCACATTTCTCTGCTTGATTTTATTTTCATTCATTCAACATT
GTTGCTTTCAAGGACCAACAATGGATGAAAGCCACTGCAACTTATGCTAAAGACA
CAGAAGGATCACTAATTACAGAAGGAGCTTGTGGTTATGGAGATCTCCACAAAG
CAAGCTATGGAAAACACAGTGTGGATTAAGCACTATTTTGTTC AATAGAGGGAG
TACATGTGGAGCTTGT TTTGAGATAAGATGTGTTGACCATATCCTGTGGTGTGTGC
TTGGAAGTCCACCTGTGATTGTTACTGCCACTGATTTCTGTCTCCTAATTATGGT
CTCTCAGTTGATTATGGTGGTTGGTGTAAC TTTCCAAGACAACATTTTGAATTGTC
ACAGGCTGCTTTTGCTGAAATTGCCAAGGGGAAAGCTGATATTGTTCCAGTTCAG
TATAGAAGAGTGAAGTGTGAAAGAAGTGGTGGGTTGAAATTC ACTATGAGTGGA
AGTTCTCATTCTATCAAGTCCTGATTACTAATGTGGGATTGGATGGTGAAGTGT
TGCTGTGAAAGTGAAAGGATCAAGAACAGGATGGATACCAATGGCAAGAAATTG
GGGAATGAATTGGCATTGCAATGTCAACCTTCAACATCAGCCTTTGTCTTTGAG
GTTACTAGCAGCACTGGAAAAACACTCACATCTTATAATGTAGCACCACAAA
ACTGGCAATTTGGACAGACATTTGAAGGAAAACAATTTTAA

Nucleotide

>CarEXPA-22

ATGGTTGCTCTTCTTTCCACATTTCTCTGCTTGATTTTATTTTCATTCATTCAACATT
GTTGCTTTCAAGGACCAACAATGGATGAAAGCCACTGCAACTTATGCTAAAGACA
CAGAAGGATCACTAATTACAGGTACTTCTCTTTCTCCTCCTTTGATTCAATTTATAT
ATACTACTTTGTACTTAAATATAACAAAAAAAATACATGTATTTAGTCGAAATTT
GGATCAATATACATATACTCTTTTACTTGTACATAGCAACCTAGGAAACAAAGAT
ACTAGACACGGTATTGACAATGACACTTCAAACGAGTTATAATTTAAAAAAATT

