

IDENTIFICATION

Species: *Daucus carota*

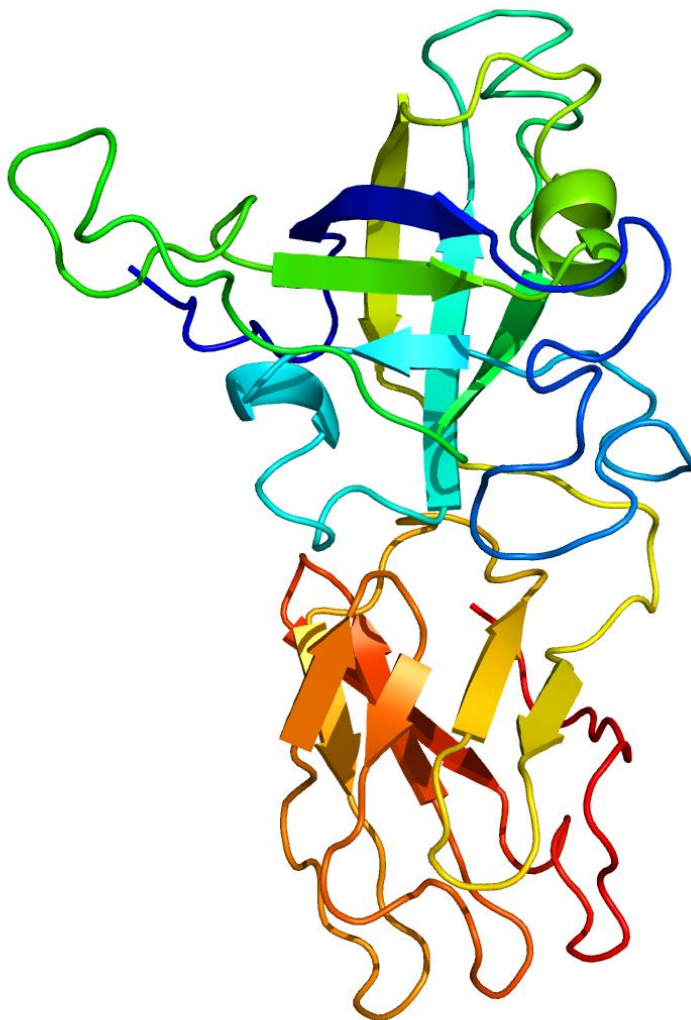
Locus: DCAR_005350

Gene Model: DCAR_005350

Description: DcEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

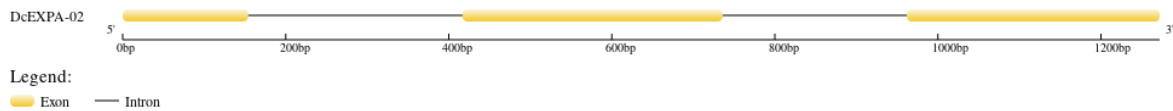
Phytozome: https://phytozome-next.jgi.doe.gov/info/Dcarota_v2_0

KEGG: <https://www.genome.jp/entry/T05350>

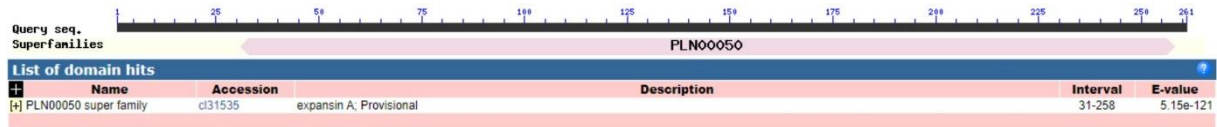
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>DcEXPA-02

MGVIKISCIASIMLPLLLISLAEARIPGVYSGGSWQGAHATFYGGSDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNNGQSCGSCYEIKCASDPQWCHPGSPSIFITATNFCPPN
FAQPSDNGGWCNPPRTHFDLAMPMFLKIAEYRAGIVPVS YRRVPCRKRGGIRFTINGF
RYFNLVLISNVAGAGDIVRVS VKGSRSGWMSMSRNWQNWQSN SVLVGQSL SFRV
TGSDRRTSTSWNIVPAHWQFGQTFSGKNFRV*

CDS (coding sequence)

>DcEXPA-02

ATGGGTGTTATCAAGATCTCCTGCATTGCCTCAATCATGCTCCCACTACTCATTTC
GTTAGCTGAAGCAAGAATTCCCGGAGTGTACTCAGGTGGCTCGTGGCAAGGTGCT
CATGCCACCTTCTACGGCGGCAGTGACGCCTCTGGCACCATGGGTGGAGCTTGTG
GTTATGGAAACTTGTACAGCCAAGGGTACGGAGTTAACACAGCGGCGCTGAGCA
CGGCGTTATTCAACAATGGGCAGAGCTGCGGGTCTTGTTACGAGATCAAATGCGC
CAGCGATCCACAATGGTGCCACCCTGGCAGTCCCTCTATTTTATAACCGCTACCA
ATTTCTGCCCCCTAATTTTGCCAGCCAGTGACAATGGTGGCTGGTGCAACCT
CCCCGAACCCATTTTCGATCTCGCCATGCCATGTTTCTCAAGATTGCCGAGTACCG
TGCTGGAATTGTCCCCGTATCTTACCGCCGAGTACCGTGCCGAAAGAGAGGAGGA
ATTAGATTCACAATCAACGGATTCCGTTACTTCAACCTAGTTCTAATCAGCAATGT
AGCCGGTGCAGGAGACATTGTTAGAGTAAGCGTCAAAGGTTCAAGAAGTGGATG
GATGAGCATGAGCCGCAACTGGGGACAGA ACTGGCAATCAAATTCTGTCTTGGT
GGGACAGTCACTCTCATTTAGAGTCACCGGGAGTGATCGTCGAACTTCCACCTCA
TGGAACATTGTTCCGGCTCACTGGCAATTCGGACAAACATTTTCCGGAAAAAACT
TCAGAGTCTAA

Nucleotide

>DcEXPA-02

ATGGGTGTTATCAAGATCTCCTGCATTGCCTCAATCATGCTCCCACTACTCATTTC
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GCATCTTATTTTGGCACTAATAAAACGTAACATCCACATTTTACTAGTACTAGTC

GTACCAACAAGGGCACCATTTTTAAAATTCGTCTAGGATATCCAAATTTCAAGGG
CCGGCCCTGAGTACTACTAGCATGATCTATAAATTTATAATAATATCTTATACCAC
AGCGTTACGTTTTGTCAGTGCTGCAATTTTCATGTATGAAACAAATGTAACAAAA
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TACAGCCAAGGGTACGGAGTTAACACAGCGGCGCTGAGCACGGCGTTATTCAAC
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GGTGCCACCCTGGCAGTCCCTCTATTTTTATAACCGCTACCAATTTCTGCCCCCT
AATTTTGCCAGCCAGTGAACAATGGTGGCTGGTGCAACCCTCCCCGAACCCATT
TCGATCTCGCCATGCCCATGTTTCTCAAGATTGCCGAGTACCGTGCTGGAATTGTC
CCCGTATCTTACCGCCGGTAACATTATCTCCCCTCCTCTGTTTTTCTTCTATCTTTT
AGGGAACATTTTTTTCTCAAACCAAATTTTTTTAAACGAGCACAAATATTTTTATA
TTTATTGGTCAAGGGCACATACAATAACATTAGGAGTGAAGGCAAGAATATAATT
GTTCGGAAATGTGGATAAATTATAGTATCATATACTTGTAATTTTAATTGAATTGT
TGTTGAATATAATATGCAGAGTACCGTGCCGAAAGAGAGGAGGAATTAGATTCA
CAATCAACGGATTCCGTTACTTCAACCTAGTTCTAATCAGCAATGTAGCCGGTGC
AGGAGACATTGTTAGAGTAAGCGTCAAAGGTTCAAGAAGTGGATGGATGAGCAT
GAGCCGCAACTGGGGACAGAACTGGCAATCAAATTCTGTCCTGGTGGGACAGTC
ACTCTCATTTAGAGTCACCGGGAGTGATCGTCGAACTTCCACCTCATGGAACATT
GTTCCGGCTCACTGGCAATTCGGACAAACATTTTCCGGAAAAAACTTCAGAGTCT
AA