

IDENTIFICATION

Species: *Daucus carota*

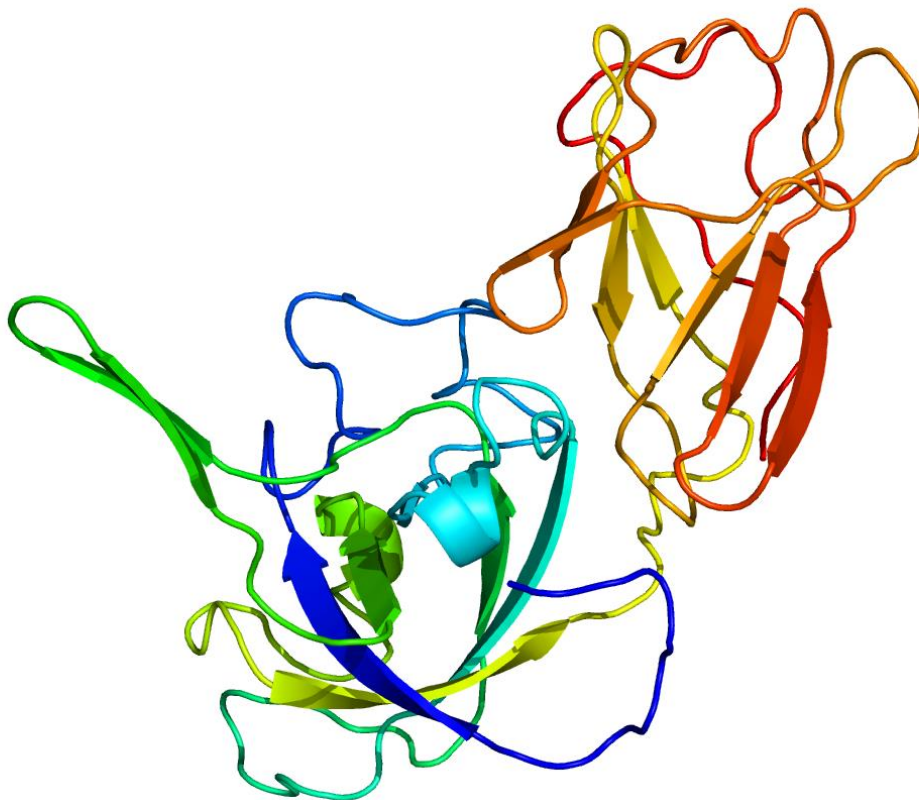
Locus: DCAR_013889

Gene Model: DCAR_013889

Description: DcEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

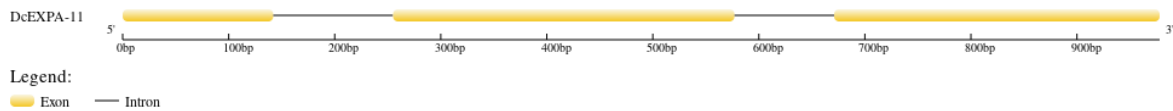
Phytozome: https://phytozome-next.jgi.doe.gov/info/Dcarota_v2_0

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

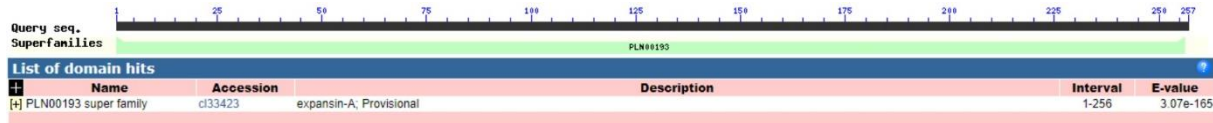
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>DcEXPA-11

MTNLGVVAVALLVSSLCLVVNVKAFRASGWTKAHATFYGGSDASGTMGGACGYG
NLYSAGYGTNTAALSTALFNDGASCGQCYRIICDYQADPKWCRKGTSVTITATNFCP
PNFDEPSNAGGWCNPPLQHFDMAQPAWEKIGIYRGGIVPVMFQRVPCVKSGGVRFTI
NGRNYFELVLISNVGGAGSIQSVQVKGTRTNWMAMSRNWGANWQSNGYLNGQSL
FKVTTTDGVTRIFNNVVASGWSFGQTFSSSVRF*

CDS (coding sequence)

>DcEXPA-11

ATGACAAATCTTGGTGTGTTGCAGTGGCCCTTCTGGTTAGTAGTTTATGTCTTGT
TGTAATGTTAAAGCATTCCGAGCTTCTGGATGGACAAAAGCTCACGCTACTTTT
TATGGAGGTAGCGACGCTTCAGGAACAATGGGCGGTGCATGTGGATATGGGAAT
TTGTACTCAGCTGGATACGGAACCAACTGCTGCTCTAAGTACTGCACTTTTCA
ATGATGGAGCATCATGTGGCAATGTTACAGGATTATATGTGATTATCAAGCAGA
CCCAAATGGTGCCGAAAGGGAACATCTGTAACCATCACCGCAACAAATTTTTGC
CCCCAACTTTGATGAGCCTAGCAATGCTGGAGGTTGGTGCAACCCTCCACTCC
AGCATTTTGATATGGCTCAACCAGCTTGGGAAAAGATTGGTATCTACAGAGGTGG
AATTGTTCTGTTATGTTTCAAAGAGTTCCTGCGTGAAAAGTGGCGGAGTTCGA
TTCACAATTAATGGGAGGAACTACTTTGAGCTTGTCTGATAAGCAATGTTGGAG
GAGCCGGATCAATTCAATCTGTGCAAGTCAAGGGCACACGAACGAACACTGGATGG
CAATGTCAAGAACTGGGGAGCAAACTGGCAGTCGAATGGATATCTTAACGGCC
AATCCTTATCTTTCAAGGTCACTACTACAGATGGAGTCACTCGAATTTTTAACAAT
GTTGTTGCATCTGGCTGGTCATTTGGGCAGACATTCTCAAGTTCTGTAAGATTCTA
A

Nucleotide

>DcEXPA-11

ATGACAAATCTTGGTGTGTTGCAGTGGCCCTTCTGGTTAGTAGTTTATGTCTTGT
TGTAATGTTAAAGCATTCCGAGCTTCTGGATGGACAAAAGCTCACGCTACTTTT
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ACTTGTGTAAATTTGTGTTCTCTTTTGTCAAGTCTCTTTAAAATAAAAGAATTGGA
GCAAGGCATGAATTATGATTTTCTTGAACACAGGCGGTGCATGTGGATATGGGAA

TTTGTACTCAGCTGGATACGGAACCAACACTGCTGCTCTAAGTACTGCACTTTTCA
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CCCCAAACTTTGATGAGCCTAGCAATGCTGGAGGTTGGTGCAACCCCTCCACTCC
AGCATTTTGTATATGGCTCAACCAGCTTGGGAAAAGATTGGTATCTACAGAGGTGG
AATTGTTCCCTGTTATGTTTCAAAGGTATAACTTTTCCTCAGCATCTTTCGTCTTTG
CCTCGTTTTTCTATGTTGATGTGCCTTTCTAATTTTGTGATGGCTTGTACATCTTGGAT
TCAGAGTTCCTGCGTGAAAAGTGGCGGAGTTCGATTACAAATTAATGGGAGGAA
CTACTTTGAGCTTGTCTGATAAGCAATGTTGGAGGAGCCGGATCAATTCAATCT
GTGCAAGTCAAGGGCACACGAACGAACACTGGATGGCAATGTCAAGAACTGGGGA
GCAAACACTGGCAGTCGAATGGATATCTTAACGGCCAATCCTTATCTTTCAAGGTCA
CTACTACAGATGGAGTCACTCGAATTTTTAACAATGTTGTTGCATCTGGCTGGTCA
TTTGGGCAGACATTCTCAAGTTCTGTAAGATTCTAA