

IDENTIFICATION

Species: *Helianthus annuus*

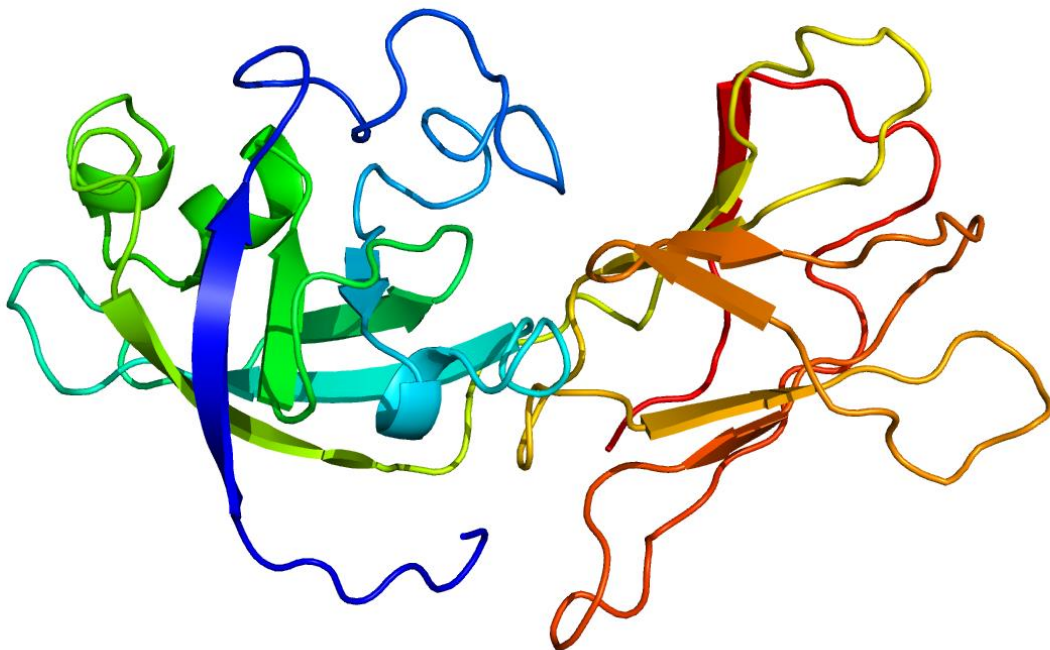
Locus: HanXRQChr17g0535741

Gene Model: HanXRQChr17g0535741

Description: HanEXLB-03

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

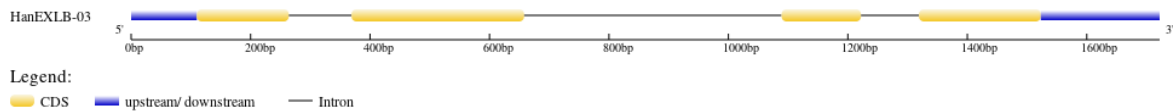
Phytozome: https://phytozome-next.jgi.doe.gov/info/Hannuus_r1_2

KEGG: <https://www.genome.jp/entry/T05101>

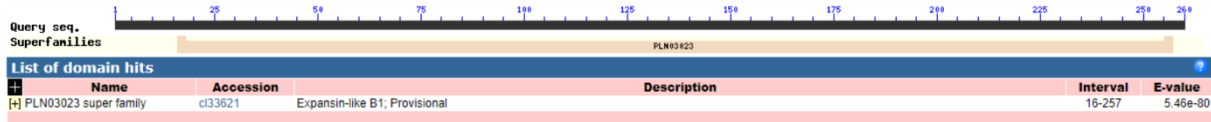
EXTERNAL RESOURCES

<https://www.heliagene.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>HanEXLB-03

MAFSLHVMFIVSTLIFSMMLIQVQGDTTSSGAFIHSRAGYYPNSEEKGSSETGRCGYG
SFGAMINYGDVAAASDLYRDGVGCGACYQVKCTNVKDCSDEGVTVVITDQGSDDR
TDFIMSQKAFRKMAQNSYAASTLLSQGIVDIEYRRVSCSYPKSNITIKIDESSDYPYLL
AFVIWYQQGQKDITAVQLCETNNFNCKLLDRSYGSVFTTTSPPSGPLSLRMLFSSENG
DEKWVVPVNAIPENWKKGAVYDTGVQVEE*

CDS (coding sequence)

>HanEXLB-03

ATGGCATTTCGCTACATGTTATGTTTCATAGTTTCTACATTAATCTTTTCTATGCTA
ATGCTAATTCAAGTACAAGGTGACACTACGTCTAGCGGCGCTTTCATCCATTTCGC
GTGCAGGATACTACCCGAATTCTGAGGAAAAAGGATCAGAAACTGGGAGATGCG
GATATGGTTCATTTGGAGCAATGATTA ACTATGGGGATGTAGCAGCGGCATCTGA
TCTTTATCGCGATGGTGTAGGGTGCAGTGCATGCTATCAAGTTAAGTGCACAAAT
GTTAAAGATTGCTCAGATGAAGGAGTGACAGTTGTTATAACTGACCAAGGATCCA
GTGATCGCACCGATTTTATTATGAGCCAGAAAGCCTTCCGAAAAATGGCTCAGAA
TTCATATGCAGCATCTACTCTACTATCACAAGGAATTGTGGATATTGAATATAGG
AGGGTTTCATGCAGCTACCCAAAGAGTAACATCACAATAAAGATTGATGAGAGC
AGTGATTATCCATATTATCTAGCTTTTGTGCATATGGTATCAACAAGGCCAAAAAG
ATATCACTGCAGTGCAACTATGTGAGACCAATAATTTCAATTGCAAGTTACTAGA
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CTAAGAATGTTATTTAGCAGCGAAAATGGAGATGAAAAATGGGTTGTTCCGGTTA
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TAGAAGAATAA

Nucleotide

>HanEXLB-03

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