

IDENTIFICATION

Species: *Helianthus annuus*

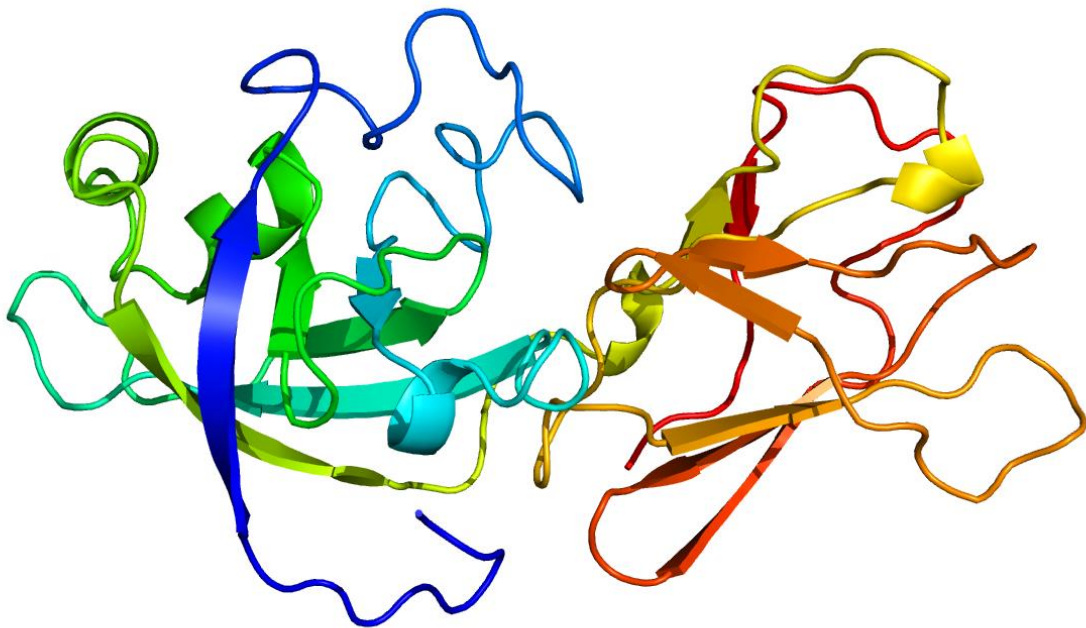
Locus: HanXRQChr11g0332781

Gene Model: HanXRQChr11g0332781

Description: HanEXLB-02

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

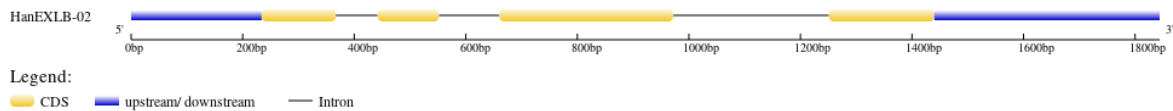
Phytozome: https://phytozome-next.jgi.doe.gov/info/Hannuus_r1_2

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

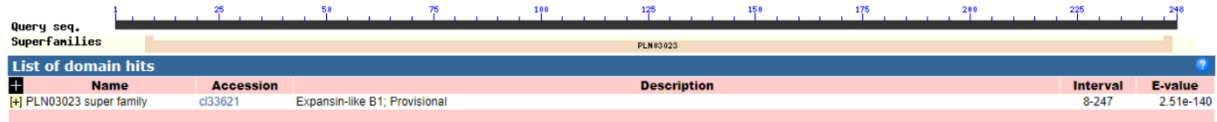
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>HanEXLB-02

MGLTRDSCHLFLVLILVPSVCYSQDSFVSSRATYYGSLEYLGTPTGACGYKEYGSIIN
GGEVTAVSYKLFKDGAGCGACYQVRCKYPPHCNEDGTRVVATDHGEGDNTDFILST
RAYNKLALPGQAEILFSYGVDVEYKRIPCQYPGYNLVFKVHEHSNYPKYLALIAIY
QGGVSEITRVELWQEDCKEWRMRRAYGAVWDMQNPPEGAILDRFQVSGSKWIQL
KSLIPSDWKVGATYNTAVQLD*

CDS (coding sequence)

>HanEXLB-02

ATGGGTTTAACCCGAGATAGCTGCCATCTGTTTTTAGTTTTAATACTTGTGCCGTC
AGTGTGCTATAGTCAAGACTCTTTTGTCTCCTCCAGAGCAACTTATTATGGCAGCC
TTGAATATTTAGGGACTCCAACCGGTGCTTGTGGTTATAAAGAGTATGGAAGCAT
CATCAATGGTGGTGAGGTTACTGCCGTCTCTTATAAGCTCTTCAAAGATGGTGCT
GGTTGTGGAGCATGTTATCAGGTTAGGTGCAAGTATCCTCCACACTGCAATGAAG
ACGGAACTAGAGTGGTGGCAACAGACCATGGTGAAGGAGACAACACAGACTTCA
TCTTGAGTACTCGTGCCTATAATAAACTTGCTCTTCCTGGACAAGCTGAAATACTA
TTTTCATATGGCGTAGTTGACGTGGAATACAAAAGGATTCCATGTCAGTATCCAG
GGTATAATCTCGTGTTCAAAGTTCATGAACACAGTAATTACCCAAAGTACCTTGC
ACTCATCGCTATATATCAAGGAGGTGTAAGCGAAATCACAAGGGTCAATTATGG
CAAGAAGATTGCAAGGAATGGAGGTGTATGAGAAGGGCGTATGGAGCAGTATGG
GACATGCAAAACCCACCCGAGGGAGCTATAGACTTGCGATTCCAAGTGAGTGGTT
CAAAGTGGATACTCAAGAGTTTGATTCTAGTGACTGGAAGGTGGGAGCTAC
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Nucleotide

>HanEXLB-02

TAAACAATAACATTTTCTCTCACCTACACTCACAACCACTTTTTATAGTATTTATA
TTTTAACCATTGTCAAATCCCAAATCCCATCTGAATCTCCTAGACACCTCAGCTAG
CACCATTACTTCCAAAGTGATCATGATCTCAACTATAAATATGGTTTCTTTCCTTG
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