

IDENTIFICATION

Species: *Arabidopsis thaliana*

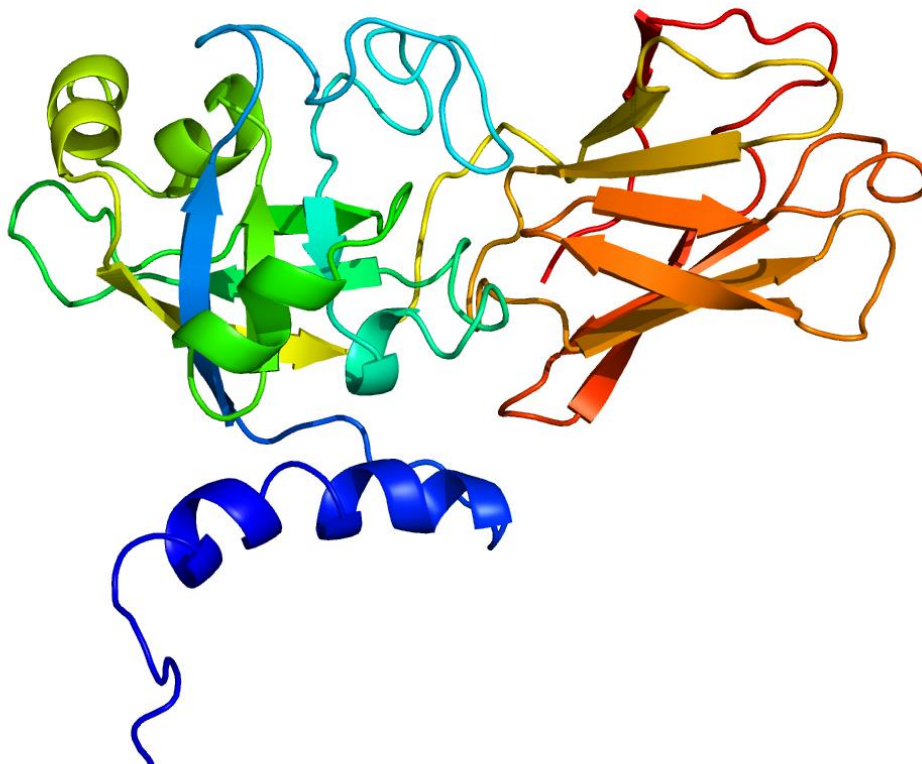
Locus: AT2G45110

Gene Model: AT2G45110.1

Description: AtEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

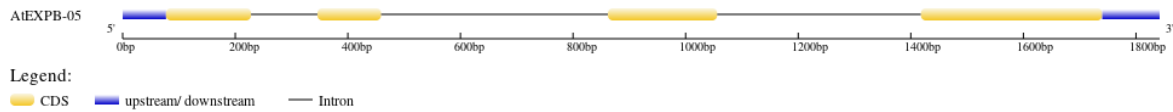
TAIR: <https://www.arabidopsis.org/>

KEGG: <https://www.genome.jp/entry/T00041>

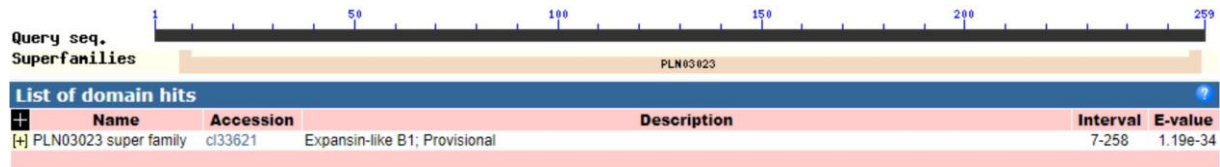
EXTERNAL RESOURCES

<https://www.gabipd.org/database/cgi-bin/GreenCards.pl.cgi?Mode=Show&QueryKey=197c0ef939ecd1d29302d8a4a92c1bc3&x.Overview=1&Start=1>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AtEXPB-05

MASSQRYFALLALFAVSLKFCYCQNETIDVAGSGTAGVTWYGEPFGAGSTGGACGY
GSAVANPLYAMVSAGGPLFNNKGKCGTCYQVVCIGHPACSGSPITVTITDECPGGP
CASEPVHIDLSGKAMGALAKPGQADQLRSAGVIRVNYKRAACLYRGTNIVFRMDAG
ANPYYISFVVEYENGDGDLSNVEIQAGGSFISMQEMRSAVWKVNSGSALRGPFNIRL
TSGESHKVIVAYNVIPANWKPDSEYRSIVNF

CDS (coding sequence)

>AtEXPB-05

ATGGCATCATCACAAAGATATTTTCGCTCTCCTAGCTCTTTTCGCAGTCTCACTAAA
ATTTTGTATTGCCAAAATGAGACTATAGATGTAGCTGGATCGGGAACCGCCGGA
GTTACTTGGTACGGTGAACCATTCGGCGCCGGTAGCACCGGAGGAGCTTGTGGGT
ACGGTTCCGCGGTGGCTAATCCACCACTATACGCGATGGTTTCAGCCGGAGGTCC
TTCGCTGTTCAACAATGGAAAAGGATGTGGAACATGTTATCAGGTTGTATGCATC
GGACATCCAGCGTGCTCGGGGTCACCAATAACGGTGACGATAACCGACGAGTGC
CCTGGTGGTCTTTCGCGCTCTGAACCAGTCCACATTGATCTTAGCGGCAAAGCCA
TGGGTGCCTTAGCCAAACCTGGCCAAGCCGATCAACTTCGATCCGCTGGTGTAT
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CGTATGGACGCTGGAGCAAATCCGTAACATTTCATTTGTTGTTGAGTATGAAA
ACGGCGATGGAGATTTGTCCAATGTTGAAATTCAACCAGCCGGCGGAAGTTTCAT
CTCCATGCAAGAAATGAGATCCGCCGTATGGAAGGTCAACTCAGGCAGTGCCCTA
AGAGGACCATTCAACATTAGACTTACTTCTGGTGAATCTCATAAAGTAATCGTCG
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Nucleotide

>AtEXPB-05

ATCAAATTCACAAATACCTTTAAAAGAGTATAGAAAGCTTGGTTTATACAAAACA
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