

IDENTIFICATION

Species: *Arabidopsis thaliana*

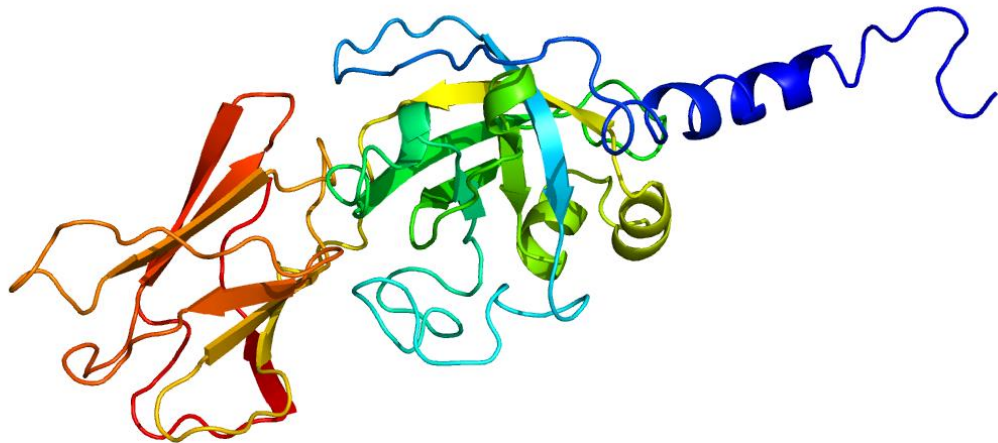
Locus: AT1G65680

Gene Model: AT1G65680.1

Description: AtEXPB-01

Family: Beta Expansin

3D structure:



GENOME DATABASES

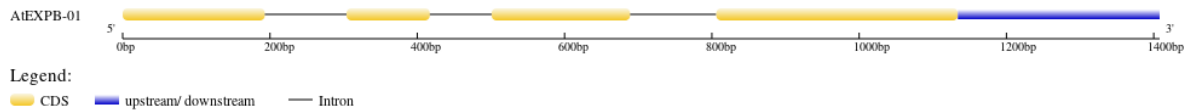
TAIR: <https://www.arabidopsis.org/>

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

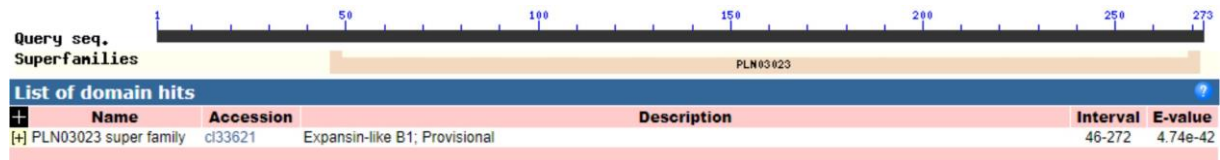
EXTERNAL RESOURCES

<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-01

MTILVVDRYYMLMNLFFALTCLLLNLTHCFSPKKFNISAATTSDSDWSIAGSTWYGN
PTGYGSDGGACGYGNAVAQPPFSKMVSAGGPSLFKSGKGCYQVKCTSKSACSK
NPVTVVITDECPGCVKESVHFDLSGTAFGAMAIISGQDSQLRNVGELQILYKKVECNYI
GKTVTFQVDKGSNANSFAVLVAYVNGDGEIGRIELKQALDSKWLMSQSWGAVV
KLDVSSPLRAPLSLRVTSLESKTVVASNVIPANWQPGAIYKSNVNF

CDS (coding sequence)

>AtEXPB-01

ATGACAATTCTTGTCGTAGATCGATACTACATGCTCATGAACTTACTCTTTGCTCT
AACTTGTCTCCTCTTGAACCTAACTCATTGCTTTAGCCCCAAGAAATTCAACATTT
CAGCCGCCACGACCAGCGATTCTGATTGGTCTATCGCCGGATCTACGTGGTATGG
TAACCCACCGGATACGGAAGCGACGGTGGAGCTTGTGGTTATGGAAATGCTGTT
GCACAACCTCCGTTTTTCGAAAATGGTATCAGCCGGAGGTCCGTCGTTGTTCAAGT
CAGGAAAAGGATGTGGTGCATGTTACCAGGTAATGCACTTCGAAATCGGCAT
GTTCGAAAAATCCTGTTACGGTGGTCATTACAGATGAATGTCCTGGATGCGTTAA
GGAGTCGGTCCATTTTCGATTTGAGTGGTACAGCGTTTGGTGCCATGGCAATTTCTG
GTCAAGATAGTCAGCTTCGCAATGTCGGAGAATTGCAGATTCTTTATAAAAAGGT
TGAGTGCAACTATATAGGCAAACGGTGACATTTCAAGTGGATAAAGGTTCAA
CGCTAACTCCTTCGCGGTTTTGGTTGCGTATGTAAACGGAGACGGCGAAATTGGC
CGAATTGAACTCAAACAAGCTCTAGATTCTGACAAGTGGTTGTCTATGAGCCAAT
CATGGGGCGCCGTGTGGAAGCTCGACGTGTCGTCACCTTTGCGTGCCCCGCTCTC
TCTCCGAGTGACTTCGTTGGAATCCGGCAAGACTGTTGTGGCTTCCAATGTCATTC
CCGCAAACCTGGCAACCCGGTGCATATACAAATCCAACGTCAACTTTTAA

Nucleotide

>AtEXPB-01

ATGACAATTCTTGTCGTAGATCGATACTACATGCTCATGAACTTACTCTTTGCTCT
AACTTGTCTCCTCTTGAACCTTAACTCATTGCTTTAGCCCCAAGAAATTCAACATTT
CAGCCGCCACGACCAGCGATTCTGATTGGTCTATCGCCGGATCTACGTGGTATGG
TAACCCACCGGATACGGAAGCGACGGTATATATATATATTCGTGTTATGTCAATTA
CAGCTCTAGATAAACAAGCAAGAACTAACTATATATTTAAATTAATTACTAACC
ACAATATATTGATTAATTATAATGAAGGTGGAGCTTGTGGTTATGGAAATGCTGT
TGCACAACCTCCGTTTTTCGAAAATGGTATCAGCCGGAGGTCCGTCGTTGTTCAAG
TCAGGAAAAGGATGTGGTGCATGTTACCAGGTTACTAATATAATTACAATATTA
GCGGAAGAGATTAAGAATAAATGAAAGATTAGCTTATATACTGATTTATTTACGT
TCAGGTAAAATGCACTTCGAAATCGGCATGTTTCGAAAAATCCTGTTACGGTGGTC
ATTACAGATGAATGTCCTGGATGCGTTAAGGAGTCGGTCCATTTGATTTGAGTG
GTACAGCGTTTGGTGCCATGGCAATTTCTGGTCAAGATAGTCAGCTTCGCAATGT
CGGAGAATTGCAGATTCCTTTATAAAAAGTATGTATCTAAGGATTTGGCATTAGTA
TATTACTACAAAGTTATTCTATACTAATTTAGTAAGGTTATATTTACTTGTTATGT
AATTGTGTTTCATTGGTATGTGTGTGTGTTTAGGGTTGAGTGCAACTATATAGGCA
AAACGGTGACATTTCAAGTGGATAAAGGTTCAAACGCTAACTCCTTCGCGGTTTT
GGTTGCGTATGTAAACGGAGACGGCGAAATTGGCCGAATTGAACTCAAACAAGC
TCTAGATTCTGACAAGTGGTTGTCTATGAGCCAATCATGGGGCGCCGTGTGGAAG
CTCGACGTGTCGTCACCTTTGCGTGCCCCGCTCTCTCTCCGAGTGACTTCGTTGGA
ATCCGGCAAGACTGTTGTGGCTTCCAATGTCATTCCCGCAAACCTGGCAACCCGGT
GCGATATACAAATCCAACGTCAACTTTTAAGACTAGCTAGAACTAACTAATCAT
AAAGTATAAATAATATCTCTTACTTAAATGTTCAATCCCGTGTGGTGGCAATAAT
ATAAATTAGGTCTAGTGTGCTCAAATGTTTGTTCATTTGAGTTGTGGTTTATACAT
ATGTCATATATATGTGGTAAGTTTACGCCTTTACACAGAAAACCTTGATCCAGGG
TGATATACTTTATAAAAAGGAAAGGATTTTTAAGCTAAAAAAAAGAAAAGCTAAT
GTATTTGTCCATATAGGCAAGTATACATT