

IDENTIFICATION

Species: *Arabidopsis thaliana*

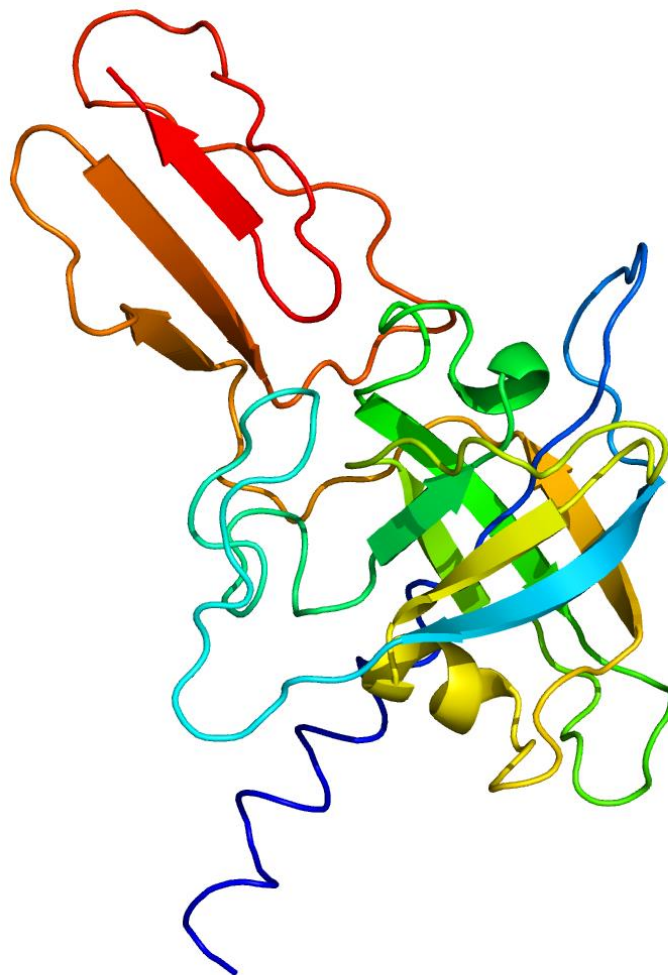
Locus: AT4G28250

Gene Model: AT4G28250.4

Description: AtEXPB-10

Family: Beta Expansin

3D structure:



GENOME DATABASES

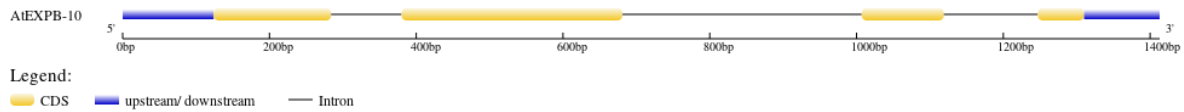
TAIR: <https://www.arabidopsis.org/>

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

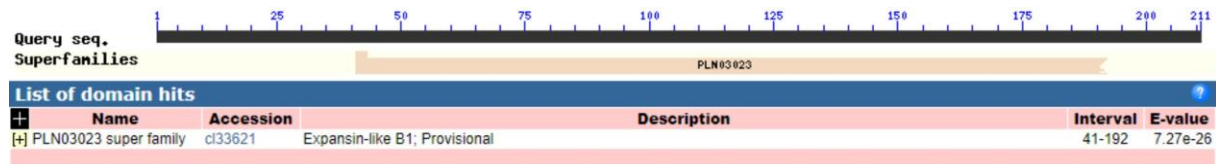
EXTERNAL RESOURCES

<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-10

MLQFPVMLATLCIVLQLLIGSSALATTNRHVSNSHWLPAVATWYGSPNGDGSDDGA
CGYGTLDVVKPLHARVGA VNPILFKNGEGCGACYKVRCLDKSICSRRAVTVIITDECP
GCKTSTHFDLSGAVFGRLAAGESGPLNRGLIPVIYRRGKNIAFHVNEGSTDFWLSL
LVEFEDGEGDIGSMHIRQKKEETNLSGVSTCMDLLLS

CDS (coding sequence)

>AtEXPB-10

ATGCAGCTTTTTCCAGTCATGTTAGCCACACTCTGCATTGTCCTGCAGCTTCTCAT
TGGCTCGTCAGCTTTGGCTACGACAAATCGCCACGTGTCAAACCTCATTGGCTTC
CCGAGTAGCTACATGGTACGGAAGCCCCAACGGTGACGGCAGCGACGGAGGAG
CGTGTGGTTACGGTACGTTGGTGGATGTGAAGCCGTTACATGCGAGGGTTGGAGC
GGTGAATCCAATTCTCTTCAAAAATGGTGAAGGTTGCGGAGCTTGTTACAAGGTT
CGATGCTTGGACAAGAGCATTGTTCCCGGAGAGCCGTTACCGTCATAATTACCG
ATGAGTGTCCCGGCTGCTCTAAAACCAGCACTCACTTTGACCTCAGTGGTGCCGT
CTTTGGCCGGTTAGCTATTGCCGGAGAGTCAGGGCCTCTCCGTAACCGTGGACTA
ATCCCAGTCATTTATCGCCGAGGGAAGAACATAGCATTCCATGTGAACGAAGGAT
CAACTGATTTTTGGCTATCTCTGCTGGTTCGAGTTTGAAGATGGAGAAGGAGACAT
TGGCTCCATGCACATTCGCCAAAAAAGGAGGAAACGAATCTCAGTGGAGTGAG
CACATGTATGGATCTTTTATTGACCAGCTAG

Nucleotide

>AtEXPB-10

AACAACAACAACATTGACATATCAATTCACACATAAACTCACTCTCACTCTCTCA
CTGTGCGCAAACCTAATTACTTTCCGGCACTGATTCTGCTCGGGAAAAAC
AACTCCGGCACAAAATGCAGCTTTTTCCAGTCATGTTAGCCACACTCTGCATTGTC

CTGCAGCTTCTCATTGGCTCGTCAGCTTTGGCTACGACAAATCGCCACGTGTCAA
ACTCTCATTGGCTTCCC GCAGTAGCTACATGGTACGGAAGCCCCAACGGTGACGG
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TCACTGATATAATTTTACCTTCTTTCTTTCTTTTGCATAATAAAAAAAGGACTGCA
TGCAAATATAGAGGGAAGAACATAGCATTCCATGTGAACGAAGGATCAACTGAT
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TGCACATTCGCCAAGTAACTCTTTTTTATCTTTAATAACCAA ACTCGTGCACGCA
CTTCTTTAATTTCCCTTTTTTTCGTACCACAAAGTCACTTCCACTTCAAAGTCTTCT
TTTTATTTTATTTTACTGCACTAAATAAGAAAAAGGAGGAAACGAATCTCAGTGG
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TCACTCAAAGTCTTCTAAAAGTAACAATAAAAACAGACTCAAAGTGTAAGAC
TGATGGGCTTTCTTGTGTTTTGTGAATGTTT