

IDENTIFICATION

Species: *Arabidopsis thaliana*

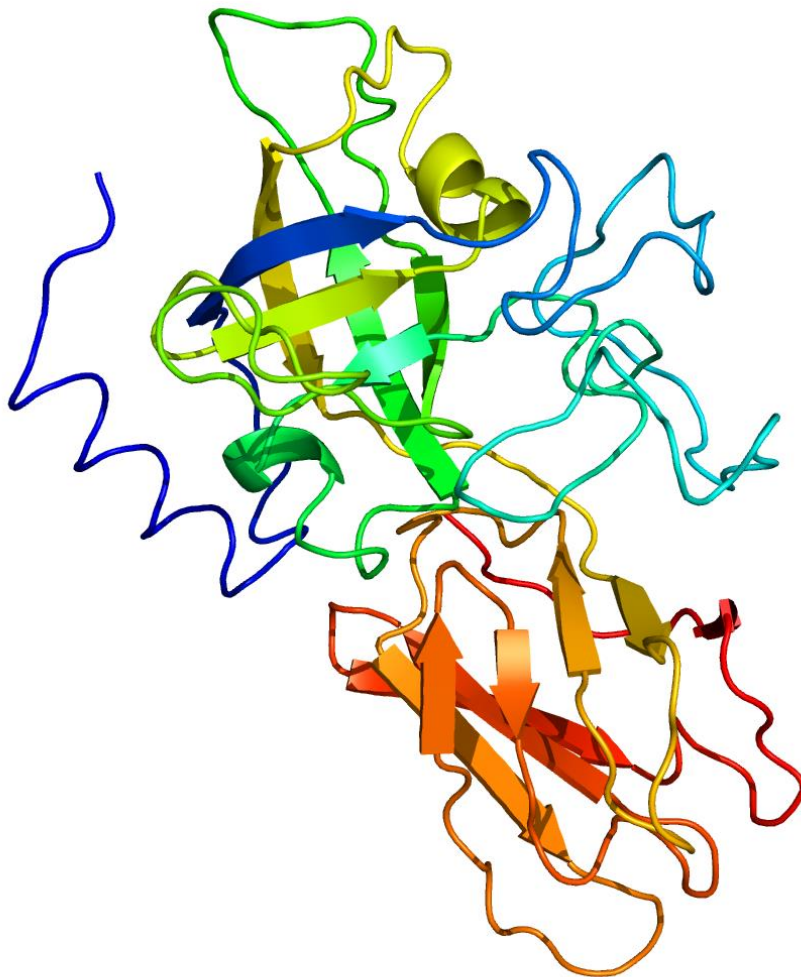
Locus: AT3G15370

Gene Model: AT3G15370.1

Description: AtEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

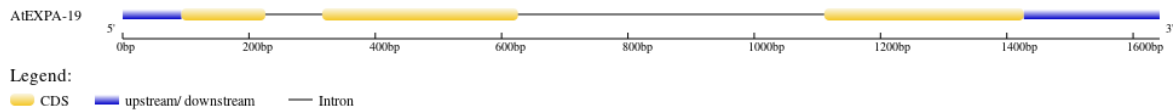
TAIR: <https://www.arabidopsis.org/>

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

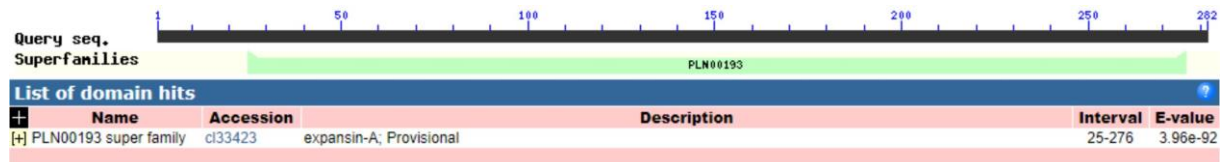
EXTERNAL RESOURCES

<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

>AtEXPA-19

MDMKGTYLVTVILLVSTLSVGMCSNGWIRAHATYYGVNDSPASLGKKAIKLLFNIRF
CYFKVCMVNLFFRYNFIGGACGYDNPYHAGFGAHTAALS GELFRSGESCGGCYQVR
CDFPADPKWCLRGAAVTVTATNFCPTNNNNGWCNLPRHHFDMSSPAFFRIARRGNE
GIVPVFYRRVGCKRRGGVRFTMRGQGNFNMVMISNVGGGGSVRSVAVRGSKGKTW
LQMTRNWGANWQSSGDLRGQRLSFKVTLTDSKTQTFLNVPSSWWFGQTFSSRGR
QFV

CDS (coding sequence)

>AtEXPA-19

ATGGATATGAAGGGAACATACTTAGTAACGGTTATTCTCTTGGTTAGTACGTTAA
GTGTGGGGATGTGTTCTAACGGTTGGATAAGAGCTCATGCAACGTATTATGGTGT
CAATGATAGCCCTGCTTCACTTGGAGGAGCTTGTGGGTATGACAATCCGTACCAC
GCCGGATTTCGGAGCACACACGGCGGCGCTAAGCGGTGAGCTATTCAGAAGCGGT
GAGTCATGCGGTGGGTGCTACCAGGTGAGGTGCGACTTCCGGCGGATCCTAAGT
GGTGTCTCCGAGGAGCCGCGGTGACGGTGACGGTACAAACTTTTGCCCAACGAA
TAACAATAATGGTTGGTGCAATCTCCCTCGCCATCACTTTGACATGTCCTCCCCG
CTTCTTCCGCATTGCCCGTCGCGGAATGAAGGCATCGTCCCCGTCTTCTATCGC
CGGGTGGGATGCAAAGAAGAGGAGGCGTGAGGTTACGATGAGAGGGCAAGG
TAACTCAATATGGTAATGATCTCAAACGTTGGTGGTGGCGGCTCGGTGAGATCA
GTAGCGGTGAGAGGCTCAAAGGGAAGACTTGGCTTCAGATGACCCGTAATTGG
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Nucleotide

>AtEXPA-19

CAATTGTGAACTCAAAGCTTCTTTTCTCGACCTCTCTTTCTTTCATCACGAAAA
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ACCCTATCATTATTTTAAGTTATTAACATTATTGTTTAATTTATTCATCTACATAT
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