

IDENTIFICATION

Species: *Arabidopsis thaliana*

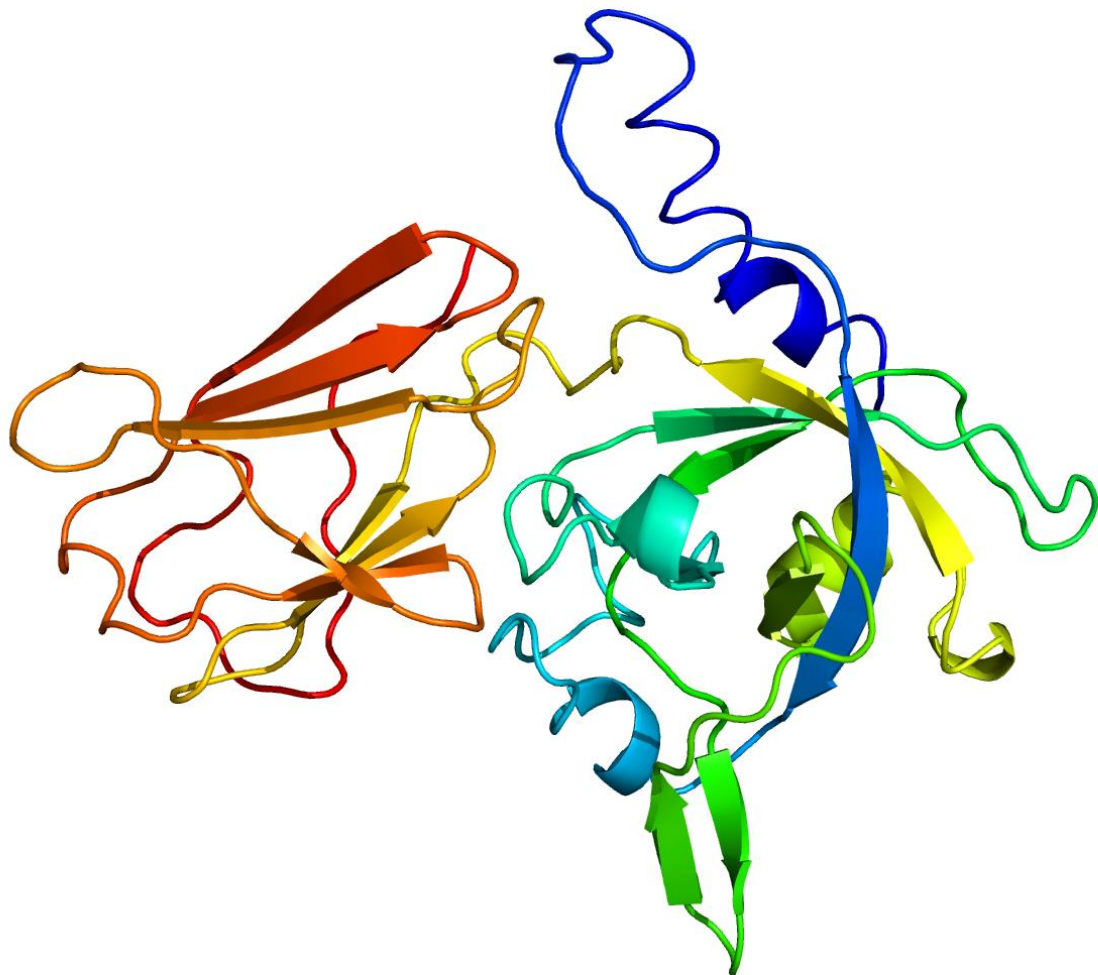
Locus: AT1G62980

Gene Model: AT1G62980.1

Description: AtEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

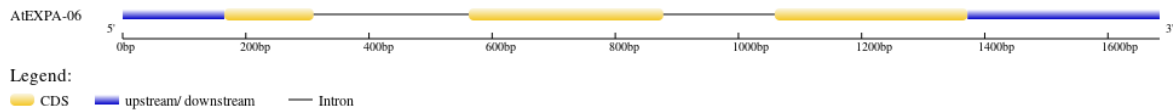
TAIR: <https://www.arabidopsis.org/>

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

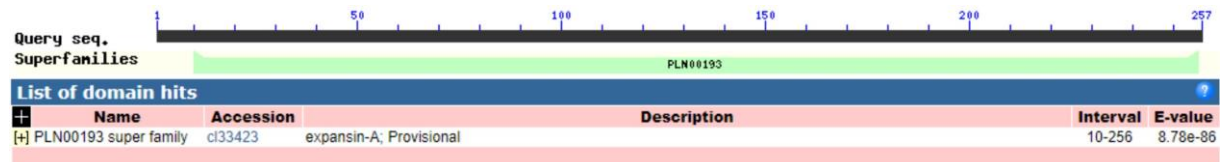
EXTERNAL RESOURCES

<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-06

MDQNLYRKCLVILSMMAMIGTSMATYAGTPWRTASATFYGDDTGSATMGGACGY
GNMYDSGYGVATTALSTALFNEGYACGQCFQLKCVSSPNCYYGSPATVVTATNICPP
NYGQASNNGGWCNPPRVHFDLTKPAFMKIANWKAGIIPVSYRRVACKKIGGIRFKFE
GNGYWLLVYVMNVGGPGDIKTMAVKGSRTGWINMSHNWGASYQAFSSLYGQSLSF
RLTSYTTRQTIYAYNAAPASWSAGKTYQSKANFN

CDS (coding sequence)

>AtEXPA-06

ATGGATCAAATTTGTATCGCAAGTGCCTGGTTATTTTATCGATGATGGCAATGA
TCGGCACATCAATGGCTACATATGCCGGGACCCCATGGCGTACAGCCTCAGCCAC
TTTTTACGGTGACGACACCGGCAGCGCAACTATGGGTGGGGCTTGTGGCTATGGT
AACATGTATGACAGCGGCTACGGGGTAGCCACGACTGCGCTGAGCACAGCCCTG
TTCAACGAGGGTTATGCATGCGGTCAATGTTTCCAGTTAAAGTGTGTGTCGTCCG
CTAACTGCTACTACGGGTCACCAGCCACCGTGGTAACTGCAACCAACATATGTCC
ACCAAATTATGGCCAAGCATCCAACAATGGTGGATGGTGTAAATCCGCCACGAGTC
CATTTTGATTTGACTAAACCAGCTTTTATGAAGATCGCTAACTGGAAGGCTGGTA
TCATCCCCGTCTCATATCGCAGAGTGGCATGTAAGAAGATCGGAGGAATAAGGTT
CAAATTTGAAGGAAATGGATATTGGCTACTTGTGTACGTGATGAACGTAGGTGGT
CCAGGTGACATCAAGACCATGGCCGTTAAAGGTAGCCGCACAGGGTGGATCAAC
ATGAGCCATAACTGGGGAGCTTCGTACCAAGCCTTTTCTTCTCTCTACGGTCAGTC
TCTCTCGTTCGGGCTCACCTCTTACACCACTCGTCAGACCATTTACGCTTATAATG
CTGCTCCGGCAAGCTGGAGCGCGGGCAAGACCTACCAGAGCAAGGCTAATTTTA
ACTAA

Nucleotide

>AtEXPA-06

CTTTCATAGTGTTTCTCACGTTGAAACCAATTTTTTCGCCTTTCATTTTCAGGGAAA
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TTACGGTGACGACACCGGCAGCGCAACTATGGGTAAAGTCCATATACTTCTACA
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TTCCAGTTAAAGTGTGTGTCGTCGCTAACTGCTACTACGGGTCACCAGCCACC
GTGGTAACTGCAACCAACATATGTCCACCAAATTATGGCCAAGCATCCAACAATG
GTGGATGGTGTAAATCCGCCACGAGTCCATTTTGATTTGACTAAACCAGCTTTTATG
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CACATTTATTAGAGCATTACAATTATAGAGGTAGATTGAAAACGTAAAGAAATG
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