

IDENTIFICATION

Species: *Arabidopsis thaliana*

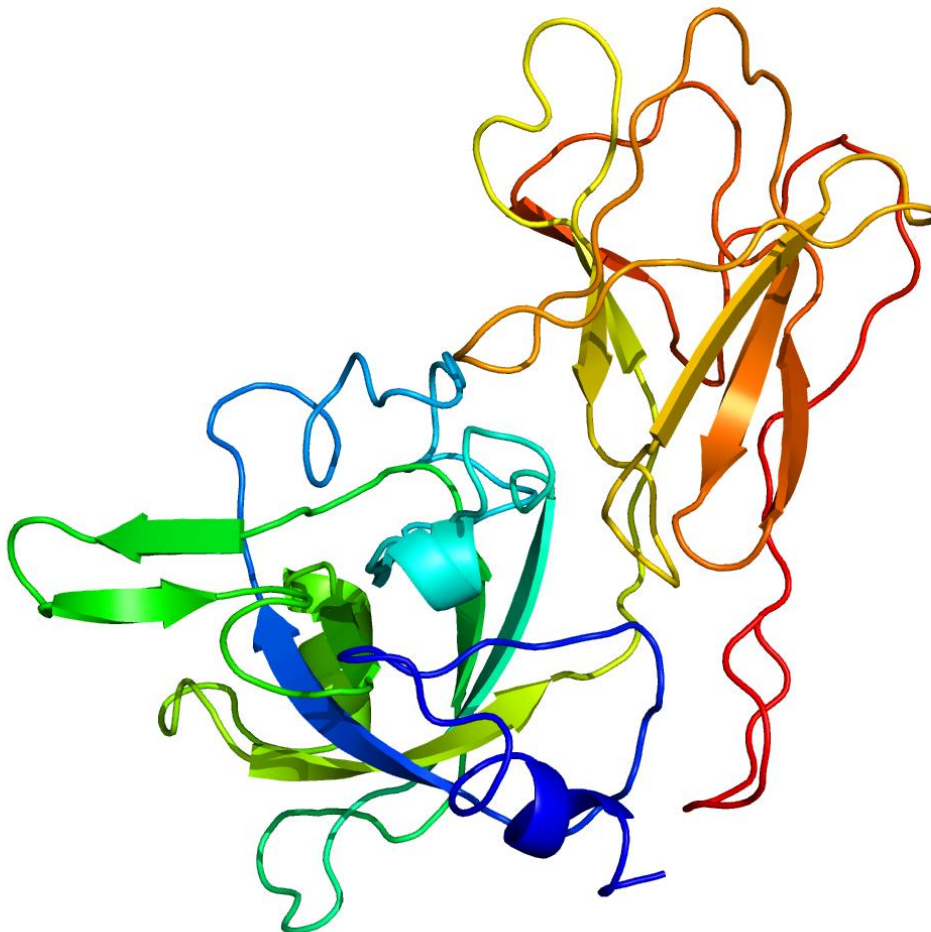
Locus: AT1G69530

Gene Model: AT1G69530.3

Description: AtEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

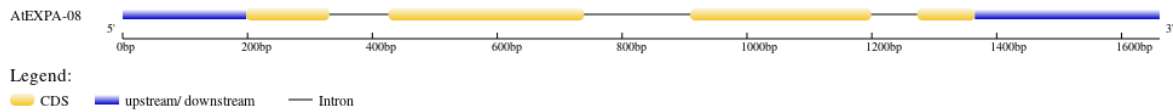
TAIR: <https://www.arabidopsis.org/>

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

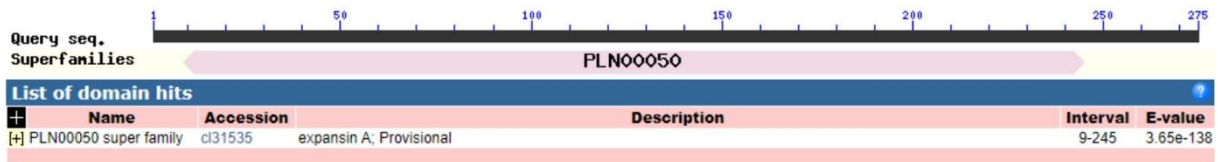
EXTERNAL RESOURCES

<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-08

MALVTFLFIATLGAMTSHVNGYAGGGWVNAHATFYGGGDASGTMGGACGYGNLY
SQGYGTNTAALSTALFNGLSCGACFEIRCQNDGKWCLPGSIVVTATNFCPPNNALP
NNAGGWCNPPQQHFDLSQPVFQRIAQYRAGIVPVA YRRVPCVRRGGIRFTINGHSYF
NLVLITNVGGAGDVHSAMVKGSRGTGWQAMSRNWGQNWQSN SYLNGQSLSFKVTT
SDGQTIVSNNVANAGWSFGQTFTVEAVRERGMIVIWSFLSIEVNLKRS GASSA

CDS (coding sequence)

>AtEXPA-08

ATGGCTCTTGTCACCTTCTTGTTTATTGCTACCCTTGGAGCAATGACGTCACATGT
CAATGGTTACGCCGAGGAGGTTGGGTCAACGCACACGCCACATTCTACGGTGGT
GGTGATGCTTCCGGCACAATGGGAGGTGCTTGTGGATACGGAAACCTATATAGCC
AAGGCTATGGAACCAACACGGCGGCGCTAAGCACGGCTCTATTCAATAATGGTCT
AAGTTGTGGTGCTTGGCTTCGAGATAAGATGTCAAACGATGGAAAATGGTGTCTT
CCTGGCTCAATTGTCGTCACAGCCACAACTTTTGCCTCCTAAC AACGCCTTACC
GAACAACGCAGGAGGTTGGTGTAAACCTCCTCAGCAGCATT TTTGATCTCTCTCAG
CCCGTATTTCAACGCATCGCTCAATACAGAGCCGGCATTGTCCCCGTCGCTTACC
GAAGAGTGCCGTGCGTGAGAAGAGGAGGAATAAGGTTTACGATAAACGGACACT
CTTACTTCAACCTAGTTCTGATCACTAACGTCGGAGGAGCCGGAGATGTTCACTC
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ACAACAAGCGATGGCCAAACCATTGTCTCTAACAACGTTGCTAACGCAGGCTGGT
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TGA

Nucleotide

>AtEXPA-08

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TTTGATCTCTCTCAGCCCGTATTTCAACGCATCGCTCAATACAGAGCCGGCATTGT
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TCAAACAGAGTATGCGACTGAATAAAAAATGAACATGAAACAGAGCTGCTCTG
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TC