

IDENTIFICATION

Species: *Arabidopsis thaliana*

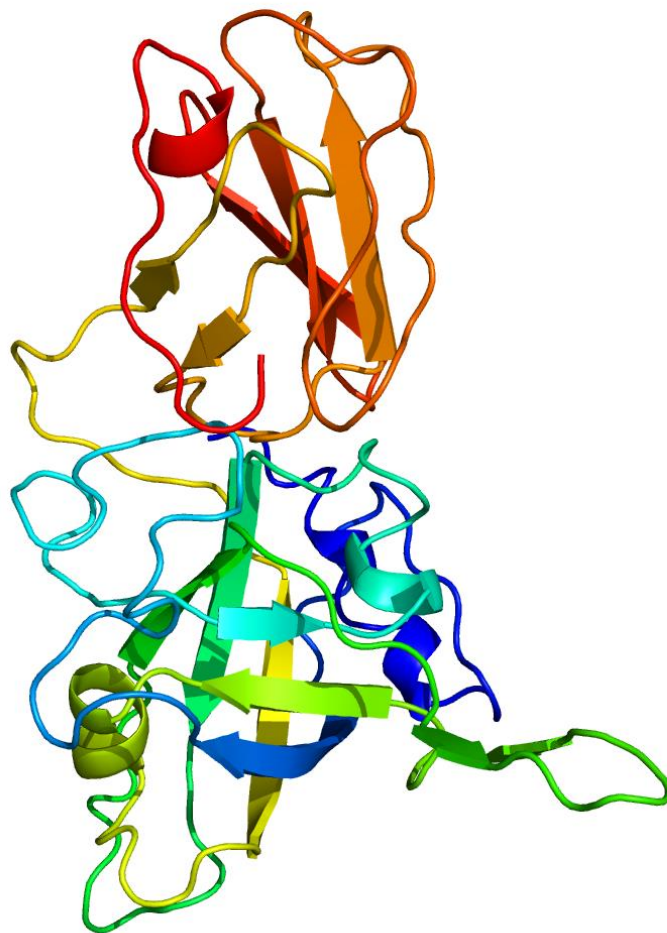
Locus: AT1G69530

Gene Model: AT1G69530.5

Description: AtEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

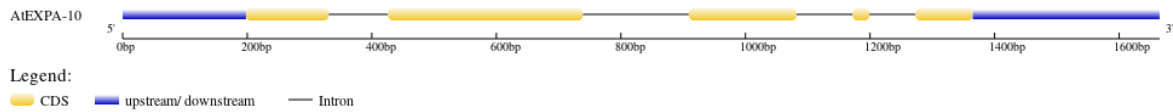
TAIR: <https://www.arabidopsis.org/>

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

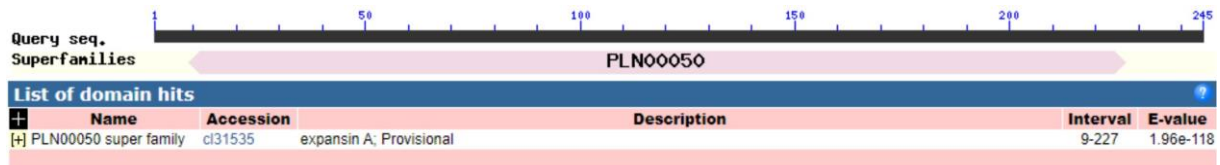
EXTERNAL RESOURCES

<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-10

MALVTFLFIATLGAMTSHVNGYAGGGWVNAHATFYGGGDASGTMGGACGYGNLY
SQGYGTNTAALSTALFNGLSCGACFEIRCQNDGKWCLPGSIVVTATNFCPPNNALP
NNAGGWCNPPQQHFDLSQPVFQRIAQYRAGIVPVA YRRVPCVRRGGIRFTINGHSYF
NLVLITNVGGAGDVHSAMVKGSRGTGWQAMSRNWGQNWQSWFSFGQFTTVEAVRER
GMIVIWSFLSIEVNLKRSGASSA

CDS (coding hits sequence)

>AtEXPA-10

ATGGCTCTTGTCACCTTCTTGTTTATTGCTACCCTTGGAGCAATGACGTCACATGT
CAATGGTTACGCCGAGGAGGTTGGGTCAACGCACACGCCACATTCTACGGTGGT
GGTGATGCTTCCGGCACAATGGGAGGTGCTTGTGGATACGGAAACCTATATAGCC
AAGGCTATGGAACCAACACGGCGGCGCTAAGCACGGCTCTATTCAATAATGGTCT
AAGTTGTGGTGCTTGTCTCGAGATAAGATGTCAAACGATGGAAAATGGTGTCTT
CTGGCTCAATTGTCGTCACAGCCACAACTTTTGCCTCCTAACAAACGCCTTACC
GAACAACGCAGGAGGTTGGTGTAAACCCTCCTCAGCAGCATTTTGATCTCTCTCAG
CCCGTATTTCAACGCATCGCTCAATACAGAGCCGGCATTGTCCCCGTGCTTACC
GAAGAGTGCCGTGCGTGAGAAGAGGAGGAATAAGGTTTACGATAAACGGACACT
CTTACTTCAACCTAGTTCTGATCACTAACGTCGGAGGAGCCGGAGATGTTCACTC
AGCGATGGTTAAAGGTTCAAGAACTGGATGGCAAGCGATGTCAAGAACTGGGG
ACAGA ACTGGCAGAGCTGGTCTTTTCGGCCAGACCTTCACAGTAGAAGCAGTTAGA
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GAAGTGGTGCTTCGAGTGCTTGA

Nucleotide

>AtEXPA-10

CCAATTCTAAACCAAACAACAGATTCTCATAATCATCTCTTCTTTTTTCCTCTTTAC
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TCAAAACAGAGTATGCGACTGAATAAAAAATGAACATGAAACAGAGCTGCTCTG
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TTTTGTTGTTGTGTGTTAACAGAGTGCCGTGCGTGAGAAGAGGAGGAATAAGGT
TTACGATAAACGGACACTCTTACTTCAACCTAGTTCTGATCACTAACGTCGGAGG
AGCCGGAGATGTTCACTCAGCGATGGTTAAAGGTTCAAGAACTGGATGGCAAGC
GATGTCAAGAACTGGGGACAGAACTGGCAGAGTAACTCTTACCTTAACGGACA
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TCATAT