

## IDENTIFICATION

**Species:** *Arabidopsis thaliana*

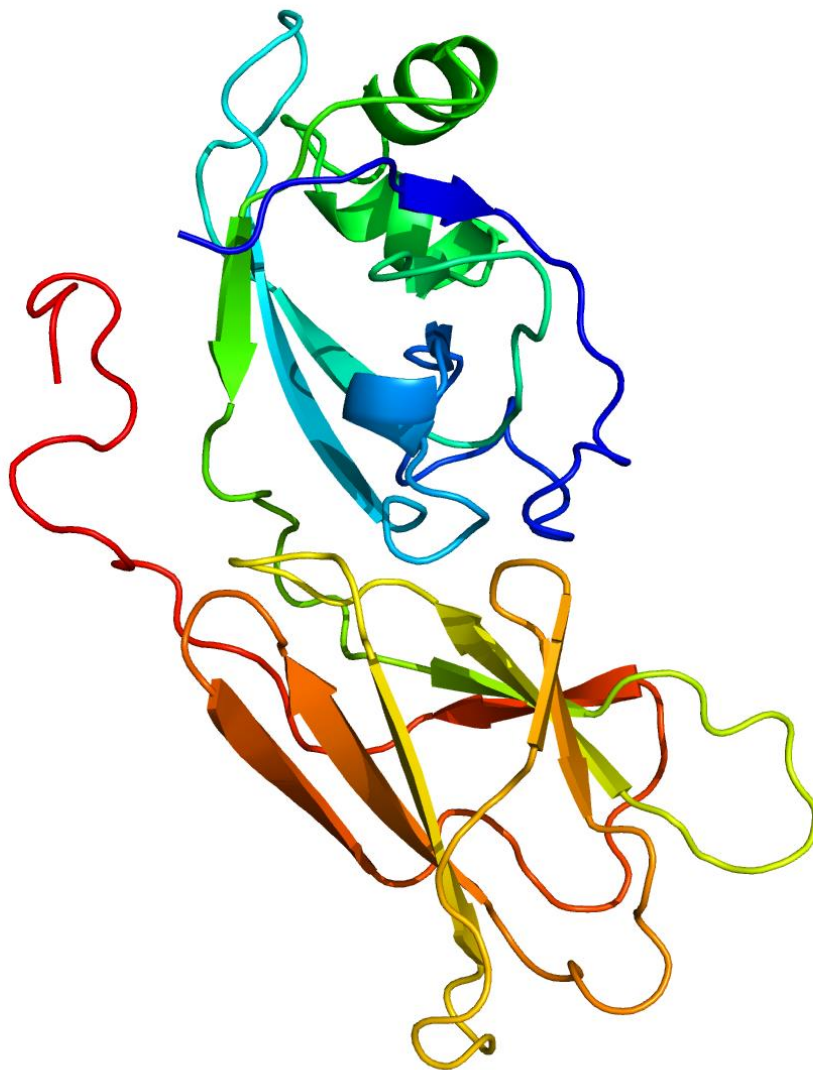
**Locus:** AT3G45970

**Gene Model:** AT3G45970.2

**Description:** AtEXLA-04

**Family:** Expansin Like Alpha

**3D structure:**



## GENOME DATABASES

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

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

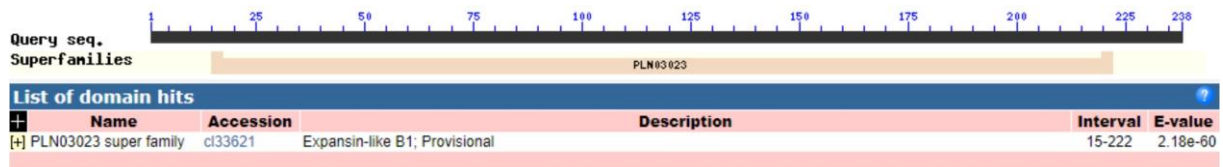
## EXTERNAL RESOURCES

<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

>AtEXLA-04

MFLFSCLVYVFFAAGACAYGSMATSFAGHIAAAIPSIYKDGAGCGACFQVRCKNPK  
LCSTKGTIVMITDLNKSNDLVLSSRAFRAMAKPIVGADKDLLKQIVDIEYQRVPC  
DYGNKNMNVREVEASKKPNYLEIKLLYQGGQTEVVSIDIAQVGSSPNWGYMTRSHG  
AVWVTDKVPTGAIQFRFVVTGGYDGMKMIWSQS VLPSNWEAGKIYDAGVQITDIAQE  
GCDPCDAHIWN

### CDS (coding sequence)

>AtEXLA-04

ATGTTTCTTTTCTCATGTCTTGTTTATGTGTTTTTGCAGCTGGAGCTTGTGCTTAT  
GGCTCTATGGCTACGAGTTTCTTCGCCGGACATATCGCTGCAGCTATCCCTTCTAT  
CTACAAAGACGGTGCTGGCTGTGGAGCTTGCTTTCAAGTCAGATGCAAGAACCCT  
AAGCTGTGTAGCACTAAAGGAACCATTGTGATGATCACAGACTTAAACAAGAGT  
AACCAAACCGATCTTGTCCTTAGTAGCAGAGCTTTTAGAGCTATGGCTAAACCTA  
TTGTTGGTGCTGACAAAGACCTTCTCAAACAAGGCATTGTCGACATCGAATACCA  
AAGAGTTCCTTGCGATTACGGCAACAAGAACATGAACGTGAGAGTAGAAGAAGC  
AAGCAAGAAACCAAACACTACTTAGAGATAAAGCTTTTATACCAAGGAGGTCAAAC  
AGAAGTAGTATCCATCGACATTGCTCAAGTCGGTTCATCGCCAAATTGGGGTTAC  
ATGACAAGAAGCCACGGAGCTGTTTGGGTAAGTACTGACAAAGTACCCACCGGAGCT  
ATCCAGTTCAGGTTTCGTAGTAACCGGTGGATACGACGGTAAAATGATTTGGTCAC  
AGAGTGTTCTTCCATCCAATTGGGAAGCTGGGAAAATTTACGACGCCGGTGTTC  
AATCACTGACATTGCTCAAGAAGGTTGTGATCCTTGCATGCTCACATCTGGAAC  
TAA

## Nucleotide

>AtEXLA-04

ACATGTAAATTCACATATCTCTCTCTTATTTGATCATAAAGATATTATTGCTTCT  
TCAAGTAAACAAAAAATGGGAAGCTTTCTCTTCCTCATCGTAGTCATCTTCCTCTT  
CTCTTCATCCGTTAACGCTTGTGATCGATGTCCTCACCGTTCTAAAGCAGCTTATT  
TCTCCTCTGCCTCTGCTCTCTTGTAAACATTTTAACTACTTCTTTTTTAACTATC  
TGTATGTTTCTTTTCTCATGTCTTGTATGTGTTTTTGCAGCTGGAGCTTGTGCT  
TATGGCTCTATGGCTACGAGTTTCTTCGCCGGACATATCGCTGCAGCTATCCCTTC  
TATCTACAAAGACGGTGCTGGCTGTGGAGCTTGCTTTCAAGTCAGATGCAAGAAC  
CCTAAGCTGTGTAGCACTAAAGGAACCATTGTGATGATCACAGACTTAAACAAGA  
GTAACCAAACCGATCTTGTCCTTAGTAGCAGAGCTTTTAGAGCTATGGCTAAACC  
TATTGTTGGTGCTGACAAAGACCTTCTCAAACAAGGCATTGTTCGACATCGAATAC  
CAAAGGTTTCGATTCTCAAACACCTAAACTCTTTGGTTTTCTTAATCACACGATAT  
TAACTTGGTCATCAAAAAAAAAAACAGAGTTCCTTGCGATTACGGCAACAAGAA  
CATGAACGTGAGAGTAGAAGAAGCAAGCAAGAAACCAAACCTACTTAGAGATAAA  
GCTTTTATACCAAGGAGGTCAAACAGAAGTAGTATCCATCGACATTGCTCAAGTC  
GGTTCATCGCCAAATTGGGGTTACATGACAAGAAGCCACGGAGCTGTTTGGGTAA  
CTGACAAAGTACCCACCGGAGCTATCCAGTTCAGGTTTCGTAGTAACCGGTGGATA  
CGACGGTAAAATGATTTGGTCACAGAGTGTTCTTCCATCCAATTGGGAAGCTGGG  
AAAATTTACGACGCCGGTGTCAAATCACTGACATTGCTCAAGAAGGTTGTGATC  
CTTGCGATGCTCACATCTGGA ACTAA