

## IDENTIFICATION

**Species:** *Physcomitrium patens*

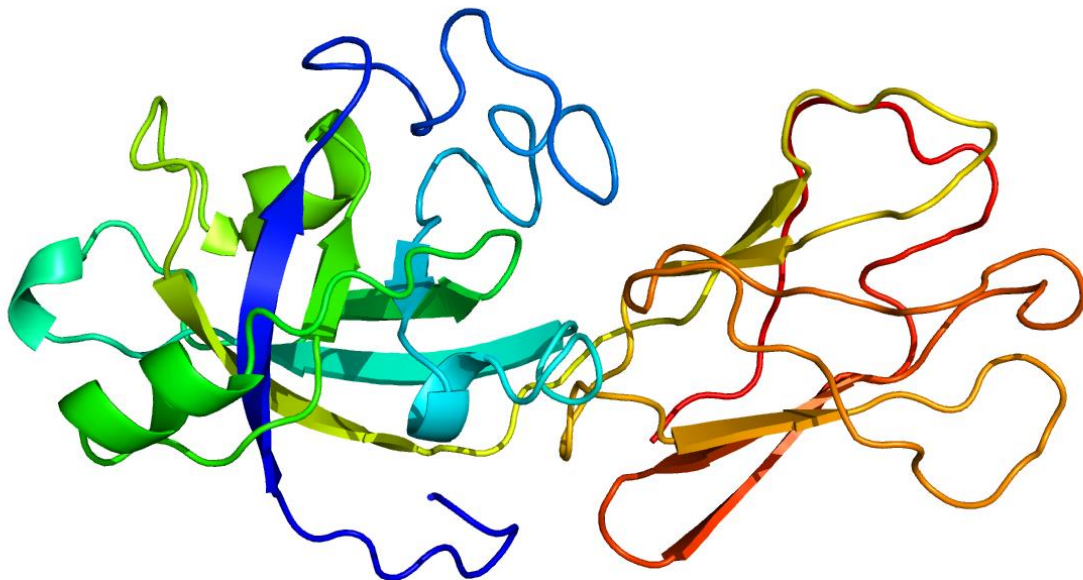
**Locus:** Pp3c21\_1940V3

**Gene Model:** Pp3c21\_1940V3.1.p

**Description:** PpEXPA-36

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

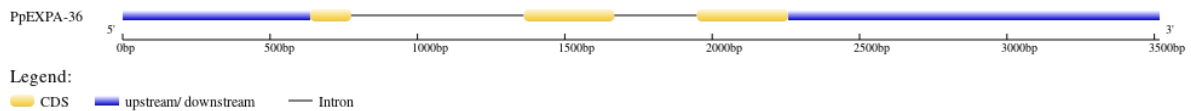
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ppatens\\_v3\\_3](https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3)

KEGG: <https://www.genome.jp/entry/gn:T01041>

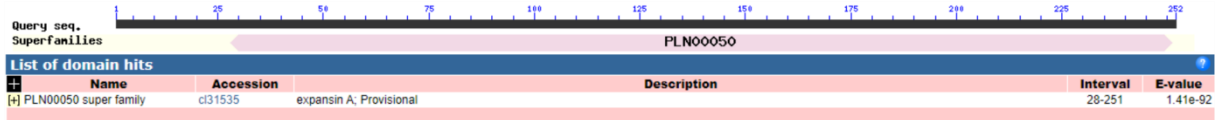
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PpEXPA-36

MAMVWTLALMLVTSFRVEARSDFMAGGWGYAHATYYGGADASGTQGGACGFG  
NLYSTGYGTNTAALSAALFNSGLSCGSCYELACDPNGSKYCLPGGRVTVTATNFCP  
HGSLGGWCDSPKQHFDLAHPMFVTLAKEVGGVIPIKFRRVPCVKSGGMHFTINGNP  
WFLLVLVTVNAGAGDLQQVYIKGSNTPWEPMSRNWGSMWQFTGNSKMKGQALSF  
KTITSDGAVAISYDAAPNNWQFGQTFEGVNF\*

### CDS (coding sequence)

>PpEXPA-36

ATGGCCATGGTGTGGACTCTCTTGGCGTTGATGTTGGTGACGTCCTTTTCGAGTGG  
GGCCCGAAGTGACTTCATGGCGGGGGTGGGGATACGCCACGCCACTTACTAC  
GGCGGAGCTGATGCGTCAGGGACTCAAGGTGGGGCTTGTGGATTTGGGAATCTCT  
ACAGCACTGGCTACGGAACCAACCCGCGGCACTCAGTGCGGCCTTGTTTAAACAG  
CGGCCTCAGCTGCGGTTCCCTGCTACGAGCTCGCCTGCGATCCCAATGGCTCCAAG  
TACTGTCTTCCAGGTGGCCGAAGTGTACGGTGACGGCAACTAATTCTGTCCTC  
ATGGTTCCTTGGGAGGATGGTGCATTCCCCAAGCAGCATTTCGACCTCGCTCA  
CCCCATGTTTCGTCACTCTTGCGAAGGAGGTTCGGAGGCGTCATACCTATCAAGTTC  
AGAAGAGTTCCTTGCCTGAAGTCCGGCGGCATGCATTCACCATTAACGGCAATC  
CTTGGTTCTTGCTGGTGCCTGTAACCAACGTTGCCGGTGCCGGAGACTTGCAACA  
GGTGTATATCAAGGGGTCTAACACTCCCTGGGAGCCAATGTCCCGCAACTGGGGA  
TCAATGTGGCAGTTCAGTGGCAATAGCAAGATGAAGGGACAGGCTCTGTCGTTTA  
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### Nucleotide

>PpEXPA-36

ACATATTTATTAGTTTATTGTATTTTTCAACCCAGTTGAATGGTGACGCAAGCGAG  
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