

## IDENTIFICATION

**Species:** *Physcomitrium patens*

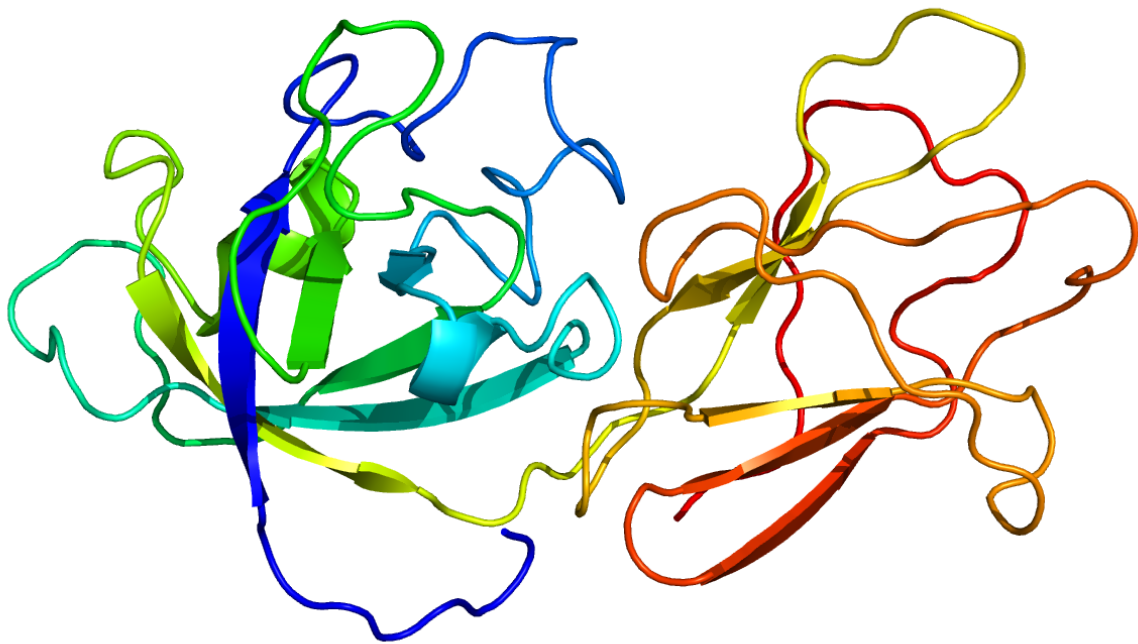
**Locus:** Pp3c21\_1850V3

**Gene Model:** Pp3c21\_1850V3.1.p

**Description:** PpEXPA-34

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

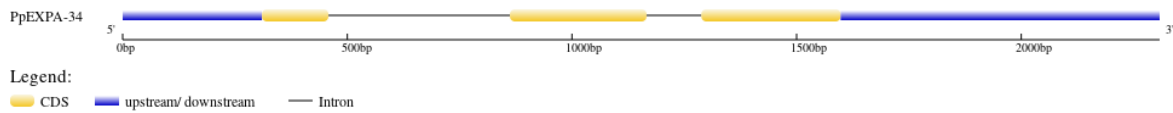
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ppatens\\_v3\\_3](https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3)

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

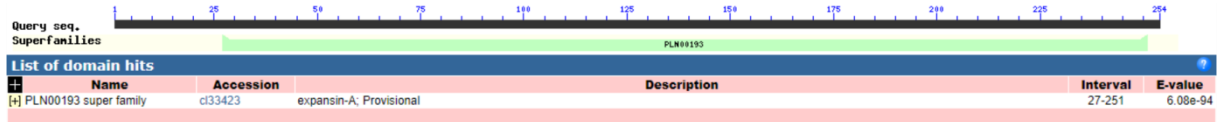
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PpEXPA-34

MAMGWSSVIVVVIIVGVMAGVEAKGSRFTGSDWGRAHATYYGGADASGTQGGACGF  
GNLYSSGYGTSTAALSSSLFNGLSCGACYELTCDPSGSQYCLPGGSAIITVTNFCPTG  
SNGGWCNPPRQHFDLAQPVFSKIARTVGGVIPINYRRVSCLKSGGMRFTVNGNPYFL  
LVLVTNVGGAGDVQQLYIKGSSTAWLPLKRNWGMWQFTGNSGMHGQAISFKAVT  
SDGAEAISNNVASSNWGFGQTFEGSNF\*

### CDS (coding sequence)

>PpEXPA-34

ATGGCCATGGGATGGAGTAGTGTGATAGTGGTGATAATTGTGGGGGTGATGGCC  
GGCGTGGAGGCGAAGGGGAGTAGGTTTACGGGCAGCGACTGGGGCAGAGCCCAT  
GCCACTTACTATGGTGGAGCTGACGCCTCCGGTACTCAAGGCGGAGCTTGTGGAT  
TTGGCAATCTCTACAGCAGCGGCTATGGTACCAGCACTGCTGCTCTGAGTTCGTCT  
TTGTTCAATAGCGGTCTCAGCTGTGGAGCGTGCTACGAGCTCACCTGTGACCCGT  
CTGGGTCCCAGTACTGCCTCCCGGGAGGTTCCGCTATTATTACTGTTACCAACTTC  
TGTCCCTACCGGTTCTAACGGAGGCTGGTGCAACCCACCCAGGCAGCACTTCGACT  
TGGCGCAACCTGTCTTCAGCAAGATTGCGCGCACAGTGGGCGGCGTCATTCCCAT  
CAATTATAGAAGAGTGTCTCCTGCCTCAAGTCTGGAGGCATGAGGTTACGGTTAAT  
GGCAACCCCTACTTCTGCTAGTGCTCGTCACCAACGTCGGAGGCGCTGGCGACG  
TGCAGCAATTGTATATTAAGGGCTCCAGCACCCGCTGGCTACCCCTAAAGCGCAA  
CTGGGGGCAAATGTGGCAGTTCACGGGCAACAGCGGAATGCACGGCCAAGCGAT  
CTCGTTCAAAGCCGTCACCAGTGATGGCGCCGAGGCCATTTCAAACAATGTGGCT  
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### Nucleotide

>PpEXPA-34

CTGGAGAGGTGGCAGCACAAGCCTTGAAGAGCAGCAGCTGCGGCTTCAACTTCT  
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TCTAAAAGCTGTGTATCGGTTTTGTAAGTGTAGGCGGAGCTTGTGGATTTGGCAA  
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