

## IDENTIFICATION

**Species:** *Physcomitrium patens*

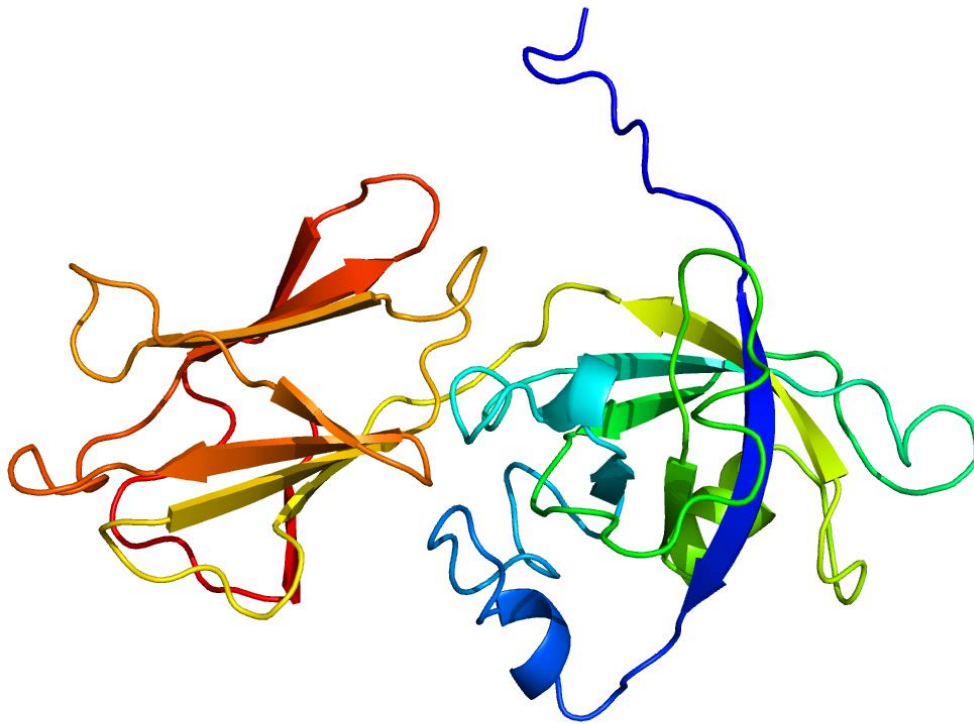
**Locus:** Pp3c3\_37280V3

**Gene Model:** Pp3c3\_37280V3.1.p

**Description:** PpEXPA-02

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

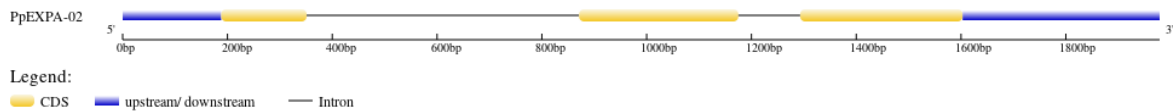
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ppatens\\_v3\\_3](https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3)

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

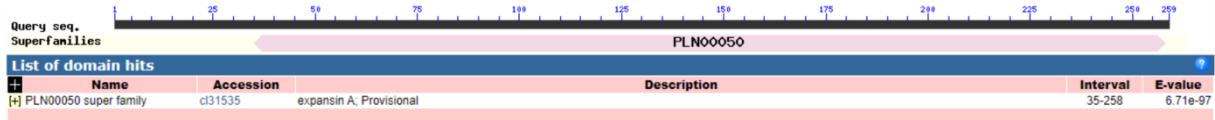
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PpEXPA-02

MALRARQSSVLEVVLVIMFGCVRMEGVEAWSGPNGWNDAAHATYYGGADASGTQ  
GGACGFGNLYSTGYGTSTAALSQALFNGLTCGACFELACDPSGSKYCYKGSIVVT  
ATNFCPSGSEGGWCDSPKQHFDLSQPVFNKIAQQAGGVIPVKYRRVPCRKSGGMRFT  
INGNPYFILVLVTNVGGAGDVQQLSLKGSSTGWYTMSRNWGQQWEFRGNSALVGQ  
ALSFRVVTSDGAEAVSYDAASENWSFSQTFEGINF\*

### CDS (coding sequence)

>PpEXPA-02

ATGGCTCTCCGAGCTCGTCAGAGCAGTGTGTTGGAGGTGGTGGTGTGGTTCATCA  
TGTTCCGGGTGTGTGCGGATGGAGGGCGTGGAGGCATGGTCTGGGCCAAATGGCT  
GGAATGACGCCCATGCAACCTACTACGGCGGCGCGGATGCTTCCGGCACTCAAG  
GTGGAGCTTGCGGATTTGGCAATCTTTATAGCACAGGCTACGGCACCAGCACGGC  
GGCTCTTAGCCAGGCGCTTTTTAATTCGGGCCTCACGTGTGGAGCCTGCTTCGAGC  
TCGCATGCGATCCTAGCGGTTCCAAGTATTGTTATAAAGGTTCTTCTATTGTCGTC  
ACTGCCACCAACTTCTGTCCTTCGGGTTCCGAAGGAGGATGGTGCATTCCCCGA  
AGCAACACTTCGACCTCTCACAGCCCGTCTTTAACAAAATCGCTCAACAAGCTGG  
CGGTGTCATCCCTGTGAAATATAGAAGAGTGCCATGCCGGAAGTCCGGAGGCAT  
GCGTTTTACCATCAATGGAAATCCCTACTTCATTTTGGTGCTCGTCACGAACGTCG  
GCGGAGCTGGCGACGTTACAGCAGCTTTCTCTCAAGGGCTCAAGCACTGGCTGGTA  
TACCATGTGCGCAACTGGGGACAGCAATGGGAGTTCGCGGGAATAGCGCGCT  
CGTTGGACAGGCACTCTCCTTCAGGGTTGTCACCAGCGATGGCGCAGAAGCAGTC  
TCCTACGATGCGGCTTCAGAGAACTGGAGTTTCTCGCAGACGTTCAAGGAATCA  
ATTTCTAA

### Nucleotide

>PpEXPA-02

TGCACAATCAGACCCTTGCTGCATTCAAGCTTCCGCTTCCCTTCTATCGCAGACA  
CACATTCATTTCCCAAACCTCAAGCTCAGACTCCCTCTCACTTTTGCATGCAGGCA  
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