

## IDENTIFICATION

**Species:** *Physcomitrium patens*

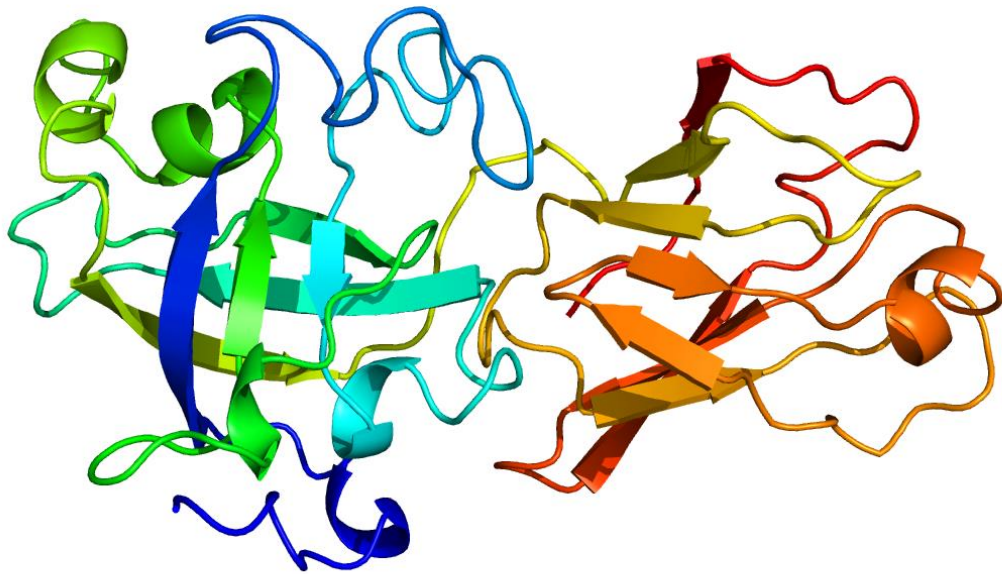
**Locus:** Pp3c22\_630V3

**Gene Model:** Pp3c22\_630V3.1.p

**Description:** PpEXPB-05

**Family:** Beta 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>

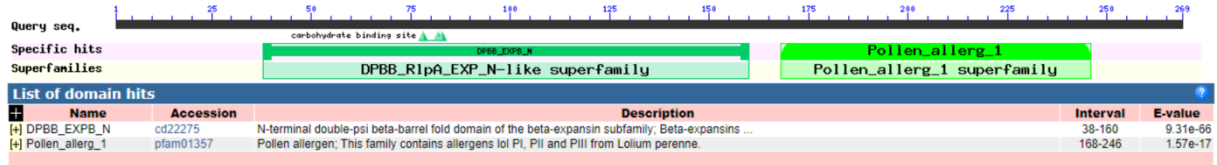
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PpEXPB-05

MGGFQLGLLLLCCVVGVSQAWDLPGGVKLSAEGYNENWLGGHATWYGDPYGECS  
SGGACGYTQLTGTPIGSKIAAGNAPIFQEGKGCQCYEVKCNYPSCSPQGTRIVITDLC  
PGGQYCSTDQPAFDFSGAAITAMALPGRDGELRNIGLYDIQYKRVPCYPNQNIAFKV  
DAGSSKYWFSFTVKYLGPGDINTVEVKCGKNGYFQYAQHSWGANWMLINYSGVP  
FQFPLTIKITTKLNDHTVVAEDVIPDWFPGPVQYESNVQIRY\*

### CDS (coding sequence)

>PpEXPB-05

ATGGGGGGCTTTCAGTTGGGGTTGCTGCTTCTGTGCTGTGTCTGTTGGGAGTGTCTCA  
AGCATGGGATCTGCCCGGGGTGTCAAACCTTAGTGCCGAGGGCTACAATGAGAA  
CTGGTTGGGTGGACATGCGACCTGGTACGGTGACCCCTACGGCGAGGGCTCGAGT  
GGAGGAGCATGCGGCTACACCCAACCTACGGGCACACCGATTGGATCCAAAATC  
GCCGCTGGCAATGCACCCATTTTCCAAGAAGGTAAGGGATGCGGTCAGTGTTACG  
AAGTGAAGTGCAACTACCCGAGCTGCAGCCCTCAGGGAACCAGGATTGTCATTAC  
TGACTTGTGTCCCGGAGGCCAGTATTGCAGTACTGACCAGCCCGCCTTCGACTTC  
AGCGGCGCAGCCATTACTGCCATGGCGCTACCGGGTCGCGACGGGGAGCTGCGC  
AACATTGGATTGTACGACATCCAGTACAAGCGCGTGCCATGCGAGTATCCCAACC  
AGAACATTGCCTTCAAAGTGGACGCAGGATCCAGCAAGTACTGGTTTTCTTCAC  
CGTGAAGTACTTGGGTGGGCCAGGCGACATTAACACCGTGGAAGTAAAATGTGG  
TAAGAACGGGTACTTCCAGTATGCTCAGCACAGCTGGGGAGCGAATTGGATGCTC  
ATAAATTACTCAGGAGTACCGTTTCAGTTCCCTCTCACTATCAAGATCACGACGA  
AGCTGAACGACCACACTGTCGTCGCTGAGGATGTGATCCCAGATTGGTTTGGCCC  
AGGAGTTCAGTATGAGAGCAATGTACAGATTAGGTACTAG

### Nucleotide

>PpEXPB-05

GTTTTAGCGATTGCGCGCTTCTGCTTAGGATTTGCACAAACAACCTCAAGAGCTT  
GCAACGACTTGTATATAATGTCAATGGGGCGGTATGTTCTGCTCAAGAGCTTCC  
GGTTCCAGATTTAGTTTCTTCGAAGGTCGTTGACATCCTCTTGAGTAGCAGCTCA

GTTCTGCCTTGAGTTGCCGCAATGGGGGGCTTTCAGTTGGGGTTGCTGCTTCTGTG  
CTGTGTCGTGGGAGTGTCTCAAGCATGGGATCTGCCCGGGGGTGTCAAACCTTAGT  
GCCGAGGGCTACAATGAGAACTGGTTGGGTGGACATGCGACCTGGTACGGTGAC  
CCCTACGGCGAGGGCTCGAGTGGTAGGTTCTTCTCTTGGTCCATGCCTATTCTTCA  
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TTGCTTGAGAACTGTCGCCAATTGTGGTCGGATTGCAGTCACTGACATCCTGCCTG  
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GCGGTCAGTGTTACGAAGTGAAGTGCAACTACCCGAGCTGCAGCCCTCAGGGAA  
CCAGGATTGTCATTACTGACTTGTGTCCCGGAGGCCAGTATTGCAGTACTGACCA  
GCCCCCCTTCGACTTCAGCGGCGCAGCCATTACTGCCATGGCGCTACCGGGTTCG  
GACGGGGAGCTGCGCAACATTGGATTGTACGACATCCAGTACAAGCGCGTGCCA  
TGCGAGTATCCCAACCAGAACATTGCCTTCAAAGTGGACGCAGGATCCAGCAAGT  
ACTGGTTTTCTTCACCGTGAAGTACTTGGGTGGGCCAGGCGACATTAACACCGT  
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AGCGAATTGGATGCTATAAATTACTCAGGAGTACCGTTTTAGTTCCCTCTCACTA  
TCAAGATCACGACGAAGCTGAACGACCACACTGTCGTCGCTGAGGATGTGATCCC  
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TTCAACTAGTTCACCATATCAGCGCATATCGAACCAACTGCGAAGACGCCCCAGCA  
GGGTGAATATGCATGTATATCTTGCCCCAGCCAGAGGCGGAGTTTACGAAGAGG  
AAGACTCTACAACACCTGGAGAAAGGAACTCTAGCTTGTGTACTTCTCAGTTCAG  
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TATCGCTTTACGATTCTTGAATGCTTTGTTTCATGCTTTGCGCAGCCATTGATTCTGC  
CCACTTCGCCATCCATCGTTCCATCCGAAGTTGTTCAAATATTGTTGCATTTGTTTT  
TGTTTTTTTTTTTTTTTTTTTATTA