

IDENTIFICATION

Species: *Physcomitrium patens*

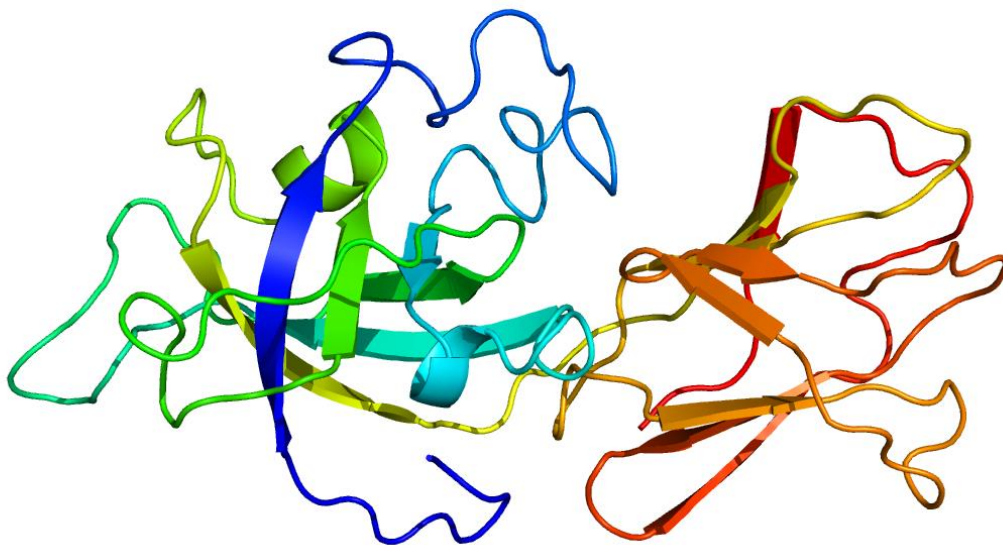
Locus: Pp3c3_16280V3

Gene Model: Pp3c3_16280V3.1.p

Description: PpEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

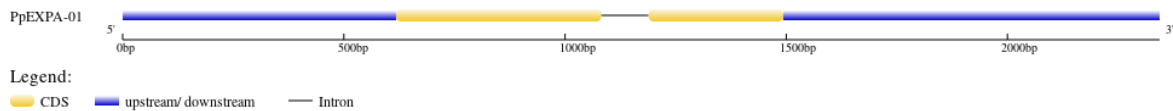
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

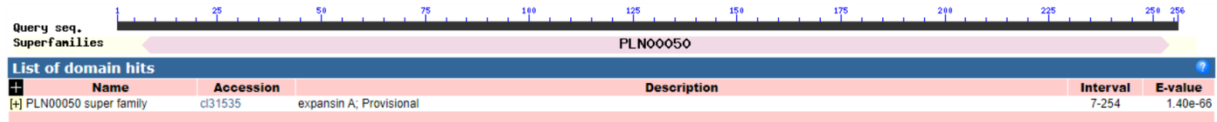
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-01

MGSICSMKFPILMVAFLALGLPSVLGAPYGWKDAHITYYGSPNNGGTQGGACGYQN
TYALGYGSFTAALSAPLFQGGACGGCYQLKCAPVRETRTVHNWCWSYSRSIVVTA
TNLCPPGSHGGWCAWRPHFDLPMPAFTSLAKQVGGVAPVFYRRVRCAKRGGVRFTI
GGNPYFLMVLIHNVGGAGDIRSVRIKGQYSGWVTMFRNWGSLWTCRCLKSGPLSFM
ITSDGRTLVS NRAVGSWWKFGQTWEGSQFR*

CDS (coding sequence)

>PpEXPA-01

ATGGGTTCCATATGCAGCATGAAGTTTCCCATTCTCATGGTCGCCTTTTTAGCGCT
GGGCTTACCTTCGGTGCTTGGAGCACCTTATGGATGGAAGGATGCGCACATTACC
TACTACGGATCTCCCAACGGCGGAGGGACGCAGGGAGGTGCTTGC GGATATCAG
ATACTTATGCCCTCGGATACGGATCTTTCACTGCGGCATTGAGTGCCCCGTTGTT
TCAAGGAGGAGCCGCTTGC GGGGATGCTACCAGCTTAAGTGTGCACCAGTGAG
AGAAACCAGAACCGTGCATAACTGGTGCTGGAGTTACTCTCGCTCTATCGTTGTC
ACCGCTACGAACCTGTGCCCGCCAGGATCTCACGGAGGGTGGTGCGCATGGCGCC
CCCACTTCGACTTACCAATGCCTGCTTTCACCTCTCTCGCAAAGCAAGTAGGAGG
TGTTGCTCCTGTCTTCTACAGAAGGGTAAGATGCGCTAAGCGCGGTGGAGTTCGC
TTCACGATCGGAGGAAATCCATACTTCTTGATGGTTCTGATCCACAACGTCGGGG
GAGCAGGCGACATCAGGTCTGTGAGGATCAAAGGGCAATACTCAGGATGGGTGA
CCATGTTCCGTAACCTGGGGTTCCTGTGGACTTGCCGGACTAAGTTGAGTGGACC
CCTGTCCTTCATGATTACCACCAGCGACGGACGCACTCTAGTGTCCAACAGAGCC
GTGGGATCGTGGTGGAAATTCGGACAAACCTGGGAGGGTAGCCAGTTCAGATAG

Nucleotide

>PpEXPA-01

CACGACTATGTTTAGTTATAGCTAAGAGCTGTCCCCTTCTTTCCTCCGATCGATTC
GGGTGGCGGTTGCCTGGGAGATGGAGAGGGAAAGTAGTAGAGTATAAGCTGTTT
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ATCAATATAGGTGAGCGAGTATCAGCGGCAAGAGTGCTTCCCTCATGAGCGCGACT
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GCCCCGTTGTTTCAAGGAGGAGCCGCTTGCGGGGGATGCTACCAGCTTAAGTGTG
CACCAGTGAGAGAAACCAGAACCGTGCATAACTGGTGCTGGAGTTACTCTCGCTC
TATCGTTGTCACCGCTACGAACCTGTGCCCGCCAGGATCTCACGGAGGGTGGTGC
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